MANUAL ON TECHNICAL GUIDELINES FOR HOSPITAL PLANNING AND DESIGN 100-BED HOSPITAL (LEVEL 2)

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Second Edition
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MANUAL ON TECHNICAL GUIDELINES FOR HOSPITAL PLANNING AND DESIGN 100-BED HOSPITAL (LEVEL 2)

VOLUME 1

INTRODUCTION AND INSTRUCTIONS FOR USE

Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Volume 1

Introduction and Instructions for Use

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1.0 INTRODUCTION

It is the policy of the Department of Health (DOH) to provide both preventive and curative healthcare that are available, accessible, acceptable and affordable to the people. Such policy determines to a large extent the provisions of hospitals and other healthcare facilities.

The provision of hospitals and other healthcare facilities involves a significant amount of capital investment and operational expenditure. It is then imperative to give utmost attention and concern to hospital planning and design considering the country's socio-economic, cultural, political and technological conditions; the rapid advance in medical and design technology; and the country's limited resources.

1.1 Purpose of the Guidelines

The primary objective of the technical guidelines is to serve as a tool for hospital planning and design.

1.2 Format of the Technical Guidelines

The technical guidelines is presented on a per room basis. Every room is discussed in three different types of Room Data Sheet (RDS). The Room Data Sheet A: FUNCTIONAL DESIGN REQUIREMENTS provides information on functional design requirements stating the facilities (equipment, furniture, engineering terminals, etc.) needed to support the activities of the room user. The Room Data Sheet B: TECHNICAL DESIGN DATA states the ideal environmental conditions that must be maintained in a room. The Room Data Sheet C: TECHNICAL DESIGN DATA AND LAYOUT OF ROOM AND SPACE COMPONENTS gives additional technical design data specifying direct services provided in the room and direct demand on floor and wall that shall help designers identify finishing materials to be used. Further, it provides the room layout and area requirement for the room being discussed.

1.3 Function of the Technical Guidelines

These technical guidelines and prototypes shall serve as tools and reference guide for hospital planning and design and not as dogmatic documents to be used for specific projects.

It is the intention of the guidelines to provide users with basic information on the functional and technical requirements for the planning and design of a 100-Bed Hospital Level 2 classification .

Along with this technical guidelines is a catalog of operational and management manuals, also prepared by the Health Facility Development Bureau, which should be used as cross-references for this technical manual. (See list of Manuals under the Cross-References)

1.4 Updating the Technical Guidelines

It is envisioned that the further improvement of the technical guidelines shall emanate from the result of its continued use and cross-referencing against any hospital design brief.

Comments and results from test-case application of the technical guidelines shall be evaluated. The final outcome of the evaluation will determine the corresponding revisions to be made in the guidelines. These shall be the inputs used in updating the guidelines.

1.5 Need for Technical Guidelines

In writing about using a selection of existing techniques and tools for planning health facilities, Dr. Montoya Aguilar of SHA/WHO Headquarters says, "Subject to an understandable range of nuances, people agree that rigid standards are to be excluded and that typical plans and modules are useful, but only as references or examples of approaches. Indeed, along with alternative reference plans designed for typical situations, planners should also formulate guidelines on how to adapt them for more specific circumstances. Certain technical norms are, of course, necessary and statutory. But, even these must be revised from time to time. "Truly there are a lot of these guidelines and typical plans but these are however scattered and not thoroughly explained nor set in the proper context of our setting. There is therefore a need for selecting and if possible formulating a set of tools for health facility planning design appropriate for our milieu.

It is generally perceived that the licensing requirements set by the Bureau of Health Facilities and Services (BHFS) of the Department of Health is a large effort to readily meet the "norms and standards which are necessary and statutory." What this technical guidelines manual seeks to achieve is to address the challenge of hospital planning and go beyond what is required by BHFS. Because in the final analysis, each hospital project will and shall remain novel and unique in its adaptation of the socio-cultural, physical and other characteristics of the community it seeks to serve.

1.6 Limitation of the Technical Guidelines

This Manual of Technical Guidelines is limited to a 100-Bed Hospital Level 2 classification only. However, the guidelines on Clinical Ancillary and Support Services can be used, up to a 250-Bed Hospital Level 2 classification.

2.0 INSTRUCTIONS FOR USE

The proceeding narrative contains detailed explanation, definition of terms and a general background of the manual framework. As earlier stated, the manual is not intended to be used as dogmatic or absolute document for any particular hospital project. It basically provides general information on functional design requirements, technical design data and suggested standard planning layout of hospitals. It aims to guide users in designing a more practical and functional structure that shall be in conformity with national and global standards. The general data provided in the design manual intends to help designers come up with the most suitable hospital plan, design and general details.

<u>The Technical Guidelines is presented in the following Room Data Sheet format:</u>

2.1 Room Data Sheet A: FUNCTIONAL DESIGN REQUIREMENTS

This pertains to the essential design considerations which include listing of facilities required and user-related data involved to support and achieve the intended function of the room. These essential design considerations are the following:

2.1.1 Activities Involved - a listing that provides a clearer understanding of the activities performed within the designated area. The specific description of the activities involved gives information on the type and number of the furniture and equipment needed to support the listed activities. As these essential information are converted into spatial dimensions, area quantification can now be derived.

2.1.2 People Involved - a listing that provides the number of occupants or users of the room at any time. This refers to the specific regular office period/hour or any other work period or shift. Through anthropometrics, space quantification can be done to identify the size of work areas to be provided to support the activities of the room occupants. This shall also help in determining the number of particular furniture and equipment needed.

This listing varies in accordance with existing official and projected plantilla or organizational set-up in any particular hospital.

2.1.3 Planning Relationship - indicates the areas and services that are to be located adjacent/close to one another, and easily accessible to the room being discussed or referred to in the manual.

2.1.4 Equipment and Accessory Checklist - indicates any of the following; tools, implements, apparatus, appliances, devices, accessories, attachments and gadgets.

2.1.5 Furniture and Fixture Checklist - indicates either movable or non-movable articles and fixtures found in a room that may or may not significantly occupy floor areas.

2.1.6 Additional Equipment and Engineering Terminals - indicate other accessories and fixture, that do not necessarily occupy a particular floor area within the room but must be recognized for their functional importance. These fixtures are usually wall or ceiling mounted.

2.2 Room Data Sheet B : TECHNICAL DESIGN DATA

This pertains to the essential technical data that must be considered in establishing and maintaining quality and ideal environment for any hospital in relation to the following four conditions:

2.2.1 Air

2.2.1.1 Outdoor Air Temperature (deg. C) – the average prevailing atmospheric temperature of a locality in degrees Centigrade. As the outdoor temperature increases, the desirable room temperature in an air conditioned space increases.

2.2.1.1a Temperature Ranges:

Cold – below 10 deg. C.
Cool – 10 deg. C to 15 deg. C.
Temperate – 15 deg. C to 27 C.
Hot – 27 deg. C to 38 deg. C.
Very Hot – above 38 deg. C.

2.2.1.2 Room Temperature (deg.C) – the ideal temperature of an airconditioned space for employees or hospital staff to work with ease or for a patient to be comfortable. This is sometimes referred to as the effective temperature. Effective temperature is an empirically determined index which combines into a single value the effect of temperature, humidity and air movement on the sensation of warmth or coolness felt by the human body. The numerical value is that of the temperature of still saturated air which could induce an identical sensation. The wide range of effective temperature is indicated in graphical representation of comfort zone.

2.2.1.3 Mechanical Ventilation - the process of supplying air or removing air by mechanical means for or from any space. Such air may or may not have been conditioned. To minimize odors and to maintain freshness of the air, a quantity of outdoor air should be required to control body odors. Odors satisfactorily decreases as the volume space per occupant increase.

2.2.1.3a **Volume (cu.m./hr.-person) –** the quantity of outside air ventilation requirement in cubic meter per hour per person.

2.2.1.3b **Velocity (m./min.) –** the speed of outside air ventilation requirement in meter per minute.

2.2.1.4 Pressure Differential – in all infectious rooms, bacteriology laboratory and rooms using toxic chemicals, the following are required :

2.2.1.4a **Negative Pressure (Pa) –** amount of pressure required for an exhaust fan to force the contaminated air out of the room.

2.2.1.4b **Positive Pressure (Pa) –** amount of pressure required for an equivalent inlet fan to normalize the room air pressure.

2.2.1.5 % Dust Filtration – the quality of indoor air should be clean and dust free. Dust and other heavily contaminated tiny particle of pollutants should be removed from the air to prevent respiratory ailments and other diseases.

2.2.1.6 Humidity (%RH) – unless otherwise stated will mean the relative humidity in percent (%RH). This is the ratio of the actual (measured) partial pressure of the water vapor in the air mixture to its saturation pressure at the same dry bulb temperature. This is also the ratio of the actual weight of moisture per cubic meter of mixture to the weight of the saturated water vapor per cubic meter of mixture at the same dry bulb temperature.

2.2.1.6a **Relative Humidity Ranges (%RH)**

Very Dry	-	0-25%
Dry	-	25-50%
Humid	-	50-75%
Very Humid	-	75-100%

2.2.1.7 Cooling Load (TR) – the total calculated heat and moisture of a room in Tons of Refrigeration (TR) equivalent to 12,660 KJ/HR.

The following are the major sources of cooling load :

a. Product load in cooling and maintaining low temperature of a product;

b. Solar transmission through walls, ceilings, floors, doors, ducts and pipes – a process of conduction;

c. Radiation and conduction through windows;

d. Occupants – sensible heat given-off by people;

e. Electrical equipment – heat from lights, motors and other appliances;

f. Infiltration – exchange of conditioned air with outdoor air through door openings and cracks;

g. Ventilation – the controlled replacement of conditioned air with outdoor air, and

h. Latent load – condensation by the air conditioner or moisture from such sources as people, cooking appliances and outdoor air.

2.2.2. Sound

2.2.2.1 Acceptable Sound Level (db) – the level that must be observed in a particular area to achieve the acoustical requirements in order that the activities involved may proceed unhampered.

The following tables provide information on the acceptable sound level (db) for a particular area:

2.2.2.1a Table 1 – Recommended Category Classification for Background Noise Levels

Type of Space	Acoustical Requirements	Acceptable Equivalent Noise Level Range in decibels (db)
- intensive care areas, recovery areas	- quiet surrounding must be maintained - for listening to faint musical sound	20 - 30
- large meeting and conference rooms, executive offices and conference rooms for 50 people	- for good listening	35 - 40

- bedrooms, sleeping quarters	- for sleeping, resting and relaxing	35 - 45
- private and semi-private offices, small conference rooms, classrooms, libraries	- for good listening conditions	40 – 45
- lounging areas and similar spaces	- for conversing or listening to radio and TV	45 – 55
- large office, reception areas, waiting areas, dining areas, cafeterias	- for moderately good listening conditions	45 – 60
- lobbies, laboratory work spaces, general secretarial areas	- for fair listening conditions	50 – 55
- light maintenance shops, office and computer equipment rooms, kitchens and laundry areas	- for moderately fair listening	55 – 70
- shops, garages, power plant control rooms	- for acceptable speech and telephone communications	70 – 110

2.2.2.1b Table II – Common Noise Levels

Type of Sound	Subjective Impression	Sound Level (db)
- siren at 30,480 mm	- deafening, threshold of pain	120
- wood working shop, accelerating motorcycle	- threshold of discomfort	110
- loud street noise	- very loud	90
- power lawn mower		
- car/truck unmuffled		
- kitchen blender		
- noisy office	- loud, intolerable	80
- average street noise	- for phone use	70
- quiet typewriter		
- average radio		
- average office	- usual background	60
- normal conversation		
- general office		
- quiet radio		
- quiet street		

- private office	- noticeably quiet	40
- quiet bedroom		30
- quiet conversation		
- whisper	- very quiet	20
- human breathing		10
- complete silence	- intolerably quiet threshold of audibility	0

2.2.2.1c Table III – Average Ambient Noise Level of Interior Spaces

Area	**Average Ambient Noise Level (db)**
- television or radio station, church, synagogue	20-34
- offices, residence, night school	26-30
- library, reception or reading rooms, school study hall	31-36
- noisy office, doctor's or dentist's office, classroom	37-42
- stores and factories	43-49

2.2.2.2 **Speech Privacy –** levels that indicate extent of acoustical limits and identify areas where application of acoustical provisions is necessary.

2.2.2.3 **Quality which cannot be tolerated –** the presence of noise characterized as tonal impacts which are incompatible with the required acceptable sound/noise level and may also hinder achieving and performing the desired activities involved in a particular area.

2.2.3 Lighting and Visual

2.2.3.1 General Illumination (LUX) – is a method of illumination that provides an approximately uniform level of illumination on the work plane over the entire area. The luminaries are usually arranged in a symmetrical plan fitted into the physical characteristics of the area and blend well with room architecture. They are relatively simple to install and does not require coordination with furniture or machinery that may not be in place at the time of the installation. Perhaps the greatest advantage of using this system of illumination is that it permits complete flexibility in task location.

In this system of illumination, lighting units are supported fairly close to the ceiling or at least at a considerable distance above the working plane. They are spaced uniformly throughout the area without special regard to the location of equipment, machinery, furniture, etc., and at such a distance from one another as to give nearly uniform illumination.

2.2.3.2 Night Illumination (LUX) – reduced lighting levels for periods of low or minimal activity usually observed during night time.

2.2.3.3 Task Illumination (LUX) – provides lighting only over a relatively small area occupied by the task and its immediate surrounding. The illumination maybe from lamps mounted near the task or from remote spotlights. This system also is sometimes called local lighting. It is an economical means of providing higher illumination levels of over a small area, and it usually permits some adjustment of the lighting to suit the requirements of the

individual. Improper adjustment may, however, cause annoying glare for nearby workers. Local lighting by itself, is seldom desirable. To prevent excessive changes in adaptation, it should be used in conjunction with general lighting or illumination that is least at 20% of the local lighting level; it then becomes supplementary lighting.

2.2.3.4 Colour Rendering – is a general expression for the effect of a light source on the color appearance of objects in conscious or subconscious comparison with their color appearance under a reference light source. For example, a case of the fish looking red or fresh under pink light. It is defined as the degree to which perceived colors of objects as illuminated by a test source conform to the colors of the same objects as illuminated by a standards source. The standard is always daylight at that color temperature. Therefore, the color rendering index of a light is really a measure of how closely it approximates daylight of the same color temperature.

2.2.3.5 Standby Light – the installed reserve lighting equipment in excess of that required which is a reliable support or source to carry peak load.

2.2.3.6 Emergency Light – lighting designed to supply illumination essential to the safety of life and property in the event of failure of the normal supply. It is required when the normal source is interrupted for any of the following reasons:

a. Interruption of current flow through operation of a circuit disconnect. For example, inadvertent de-energizing of a circuit at a panel or switchboard.

b. Failure of the building's electrical system.

c. General power failure.

2.2.3.7 Daylight – the cheapest (insofar as energy is concerned), most abundant and in many ways, most desirable form of lighting available. The presence of daylight in interior spaces is made possible by windows and other similar openings. When daylight enters through windows (side lighting, as opposed to top lighting), its horizontal directivity provides good modeling shadows, minimal veiling reflections and excellent vertical surface illumination. Further, the continual variation of daylight, which is one of its prominent characteristics, provides a constantly changing pattern of space illumination; that is unattainable with artificial light. Since these changes are gradual, the eyes adapt easily and the effect is one of visual restfulness and interest.

On the other hand, no ill effects have conclusively been demonstrated to have been caused by lack of daylight, that is by working in an artificially lighted space. An artificial lighting system must be installed in any event, to furnish interior illumination during periods when daylight is insufficient.

Since daylight is variable, it creates special problems of glare control, direct sunlight control and heat gain limitation in large measure. The science and art of daylighting is not so much how to provide daylight but how to do so without the attendant undesirable effects. It is thus imperative to adopt the technique of permanent supplementary artificial lighting in interiors. This design approach/technique views artificial lighting as supplementary to daylight and not vice versa. For structures that are extracted to be in use at night, artificial lighting must be designed to furnish all of the required lighting.

2.2.3.8 View Out – the provision of openings, like windows, in interior space that will create visual contact with the outside and the resultant effect providing a bright, pleasant and airy ambience to the room.

2.2.3.9 Privacy – as opposed to being public, not exposed; not open; seclusion; isolation; separateness.

2.2.3.10 Black Out – deliberate exclusion of unwanted light necessary in the performance of specific activities involving special procedures that may require special low level lighting or the complete absence of some specific type of lighting.

2.2.4 Safety

2.2.4.1 Accessible Hot Surface – identifies heat generating equipment whose surfaces may reach temperature of dangerous levels that users may possibly come in contact with.

2.2.4.2 Accessible Hot Water – identifies the sources and location of accessible hot water with its allowable maximum temperature for safe use.

2.2.4.3 Access Limit – identifies the authorized room or facility users in order to identify the proper security measures to be adapted.

2.2.4.4 Fire Risk – identifies the level (quantity and quality) of fire hazards present in the space being discussed in order that proper fire prevention measures may be applied.

2.2.4.5 Other Risks – identifies other health hazards that may be present in the room other than what is previously listed that may pose as some danger to room users.

2.4 Room Data Sheet C – TECHNICAL DESIGN DATA ON DIRECT SERVICES AND DEMANDS ON FLOOR AND WALL AND LAYOUT OF ROOM AND SPACE COMPONENTS.

2.3.1 Direct Services – these refer to the required basic utilities and other convenient necessities that must be provided in a specific area.

2.3.1.1 Disposal – identifies the type of waste generated in an area, treatment of which must conform with the approved operational programs for solid waste management as established by the Department of Health.

2.3.1.2 Hot Water – identifies fixture source and location of this particular utility.

2.3.1.3 Cold Water – identifies fixture source and location of this particular utility.

2.3.1.4 Drainage – identifies fixtures and areas to be provided with this utility. Treatment of sewage material must also conform with the approved operational programs for liquid waste management as established by the Department of Health.

2.3.1.5 **Gas** – identifies areas to be provided with this utility (may either refer to medical or non-medical), the types of which, whether supplied in portable cylinders or through wall outlets, must be determined according to the capacity to supply and to safely maintain such a system.

2.3.1.6 **Compressed Air** – (see 2.3.1.5)

2.3.1.7 **Steam** – identifies location where required.

2.3.1.8 **Others** – indicates other necessary utilities not previously listed.

2.3.2 **Direct Demands on Floor and Wall** – the extent of usage and other factors, such as the activities involved, affecting the performance of materials to be used as finishing for floors and walls.

2.3.2.1 **Loading** – type of loads, whether light moving loads or heavy stationary loads that will be taken into consideration so that ample structural support can be provided.

2.3.2.2 **Spillage** – the type and frequency of accidental or unintentional falling and throwing of items and materials in the area, that the floor and finishing materials must conform with.

2.3.2.3 **Foot Traffic** – the expected maximum level of the traffic that can be observed in a particular area that the floor finishing materials must be able to support. The finishing material must be durable enough to withstand the movement with the least need for maintenance and upkeep.

2.3.2.4 **Wheel Traffic** – (see 2.3.2.3)

2.3.2.5 **Impact** – the force of collision where either floor or wall is subjected to when equipment or other bulky items are being moved or transported.

2.3.2.6 **Abrasion** – scraping or wearing away by friction in either floor or wall brought about by foot and wheel traffic and the movement and transportation of equipment and other load bearing items.

2.3.2.7 **Easy Maintenance** – where the practice and observance of cleanliness or sanitation can be carried on with a minimum involvement of work and effort.

2.3.2.8 **Vibration Free** – maintaining the constant absence of quivering or trembling disturbances both physical and auditory, that may originate from machines, equipment and other obvious sources. The absence of these disturbances may be necessary to maintain a safe and secure room atmosphere.

2.3.2.9 **Door Sets** – identifies the type of door, its size and material finish, so that equipment and other listed items may provide easy access, smooth transfer and movement from one area to another.

2.3.2.10 Windows – determine the type, size and material finish of the windows in order to meet the quality of the interior atmosphere that must be maintained in a room.

2.3.2.11 Internal Glazing – identifies the type of glass finishes to be used, whether clear, opaque, etc.

2.3.3 Layout of Room and Space Components – indicative room plans showing the space components, dimensions and the required equipment and furnishings to be installed in the room.

2.3.4 Space Demands – the quantity or the number of each space component and its standard minimum area requirement that shall comprise the total minimum area requirements of the room. (To be filled out by the Designer; in most cases; since this is based on end-users' specific needs; in addition to licensing and minimum requirements.)

2.3.5 Regulations and Notes – special rules, regulations and directives that must be applied during the design process to improve and standardize the hospital design and plan. (To be filled out by the Designer; in most cases; for local laws and ordinances in addition to national rules and regulations.)

MANUAL ON TECHNICAL GUIDELINES FOR HOSPITAL PLANNING AND DESIGN 100-BED HOSPITAL (LEVEL 2)

VOLUME 2

STANDARD PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

Second Edition
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Volume 2
Standard Plans and Technical Requirements
of a 100-Bed Hospital (Level 2)

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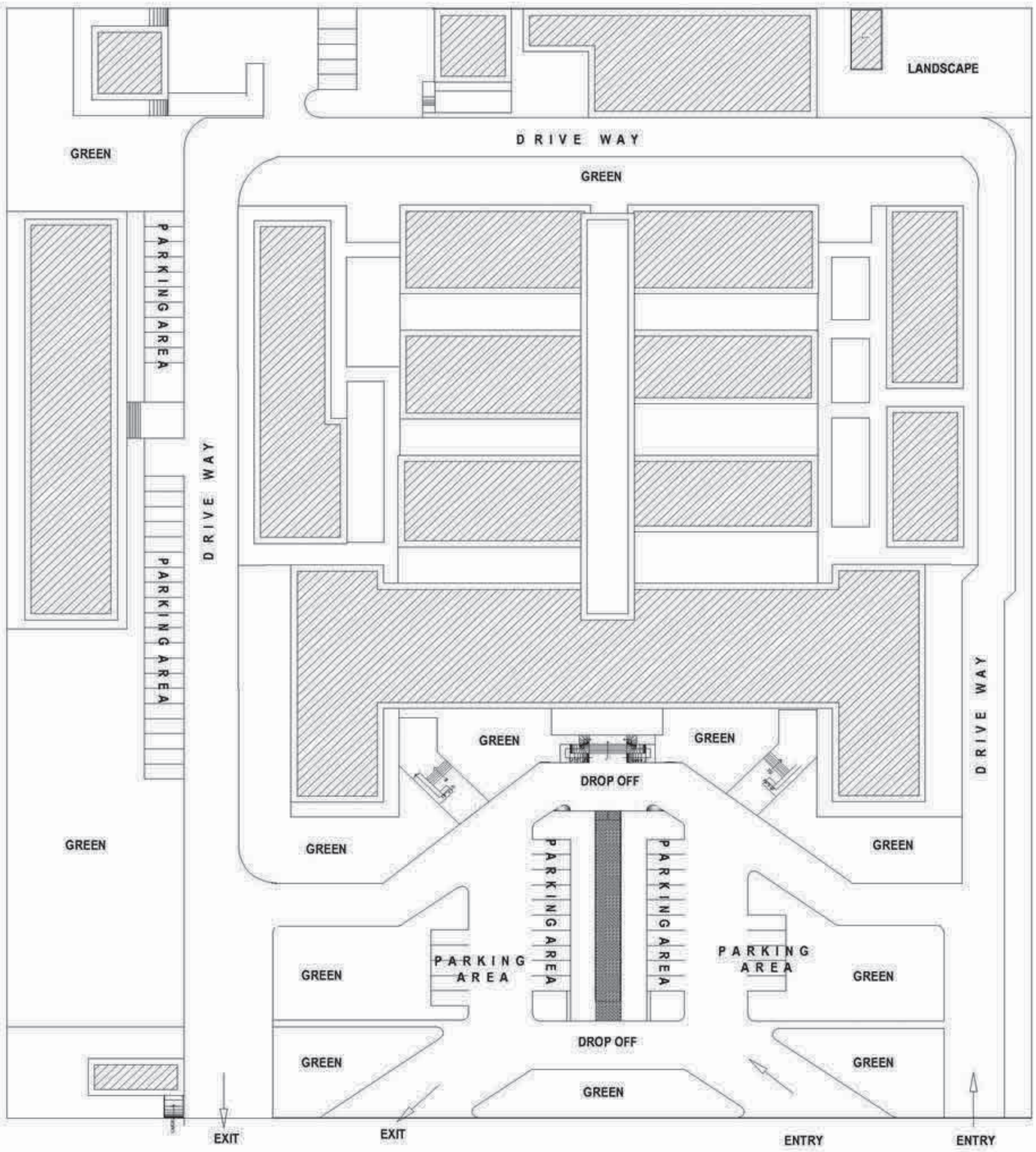


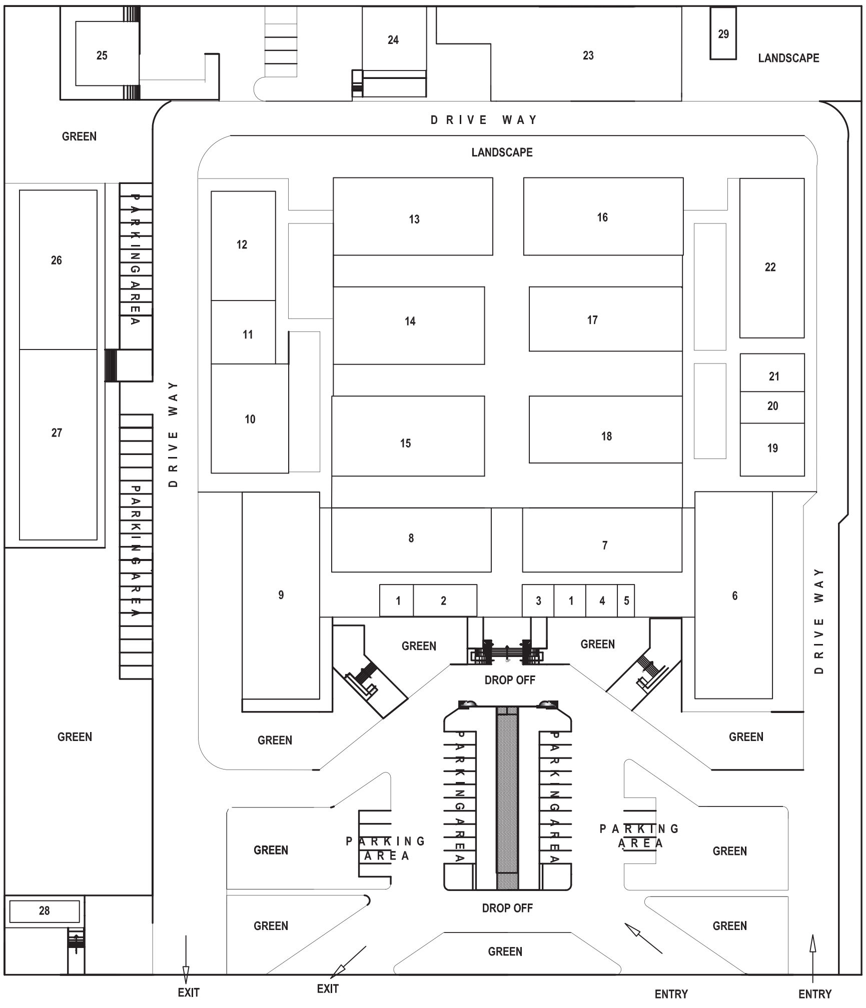
SITE DEVELOPMENT PLAN
STANDARD 100 - BED HOSPITAL (LEVEL 2)
ONE - STOREY MODEL

FLOOR PLAN
STANDARD 100 - BED HOSPITAL (LEVEL 2)
ONE - STOREY MODEL

GRAPHICAL SCALE
0 5 10 20

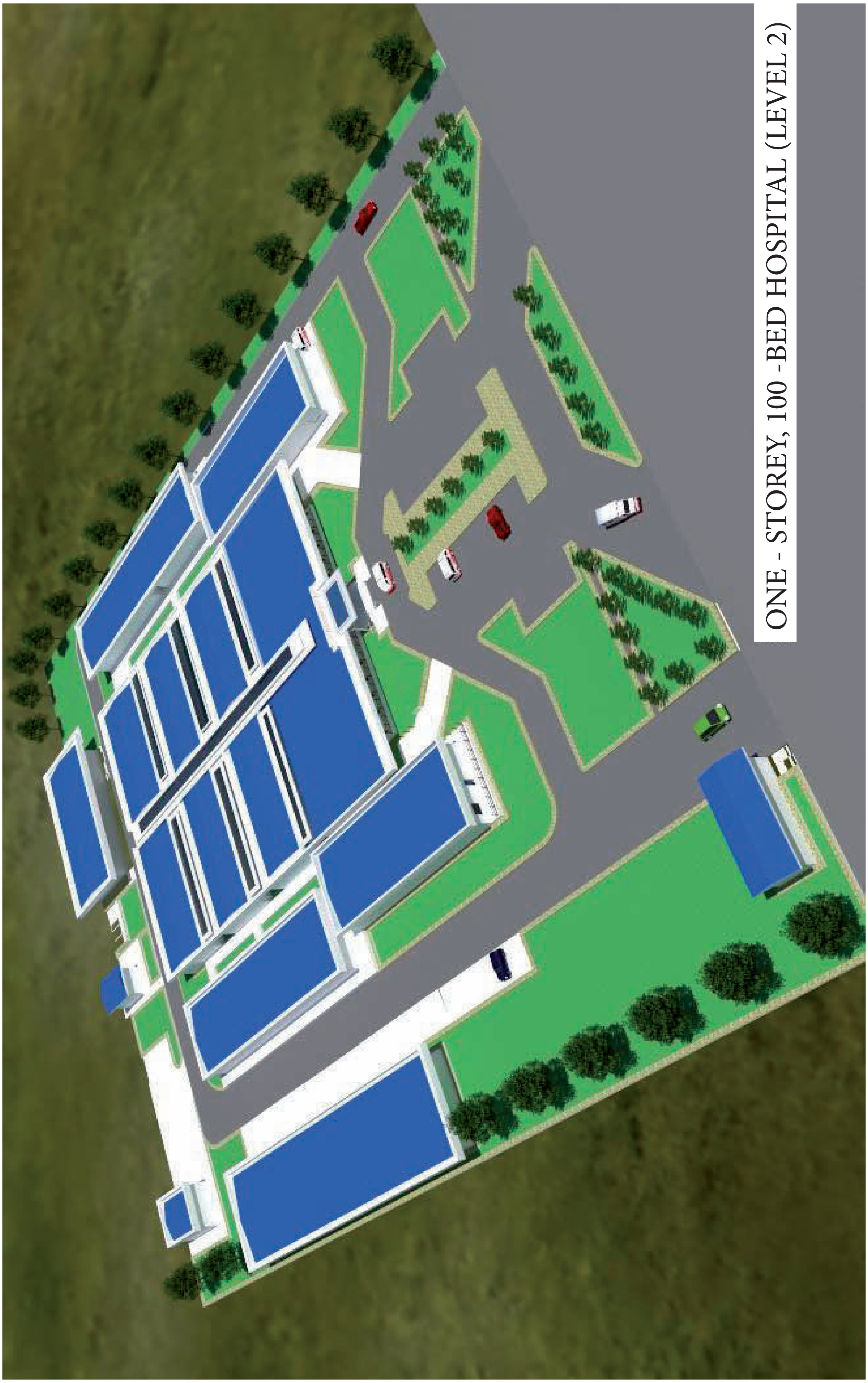
LEGEND

1	MEDICAL/SOCIAL WORK
2	PHARMACY DEPARTMENT
3	ADMITING OFFICE
1	MEDICAL/SOCIAL WORK
4	BILLING AND CLAIMS
5	DISBURSEMENT OFFICE
6	EMERGENCY ROOM
7	RADIOLOGY
8	LABORATORY
9	OUTPATIENT DEPARTMENT
10	ADMINISTRATIVE OFFICE
11	MEDICAL RECORDS
12	LINEN AND LOUNDRY
13	MEDICAL WARDS
14	SURGICAL WARDS
15	OB - GYN WARDS
16	PEDIA WARDS
17	O.R SUITE
18	D.R SUITE
19	FAMILY WAITING AREA
20	I.C.U
21	CENTRAL STERILIZING ROOM
22	DIETARY
23	ENGINEERING AND MOTOR POOL
24	CENTRAL SUPPLY STORAGE
25	MORTUARY
26	DORMITORY
27	AUDITORIUM
28	WASTE MANAGEMENT
29	SEWER TREATMENT PLANT

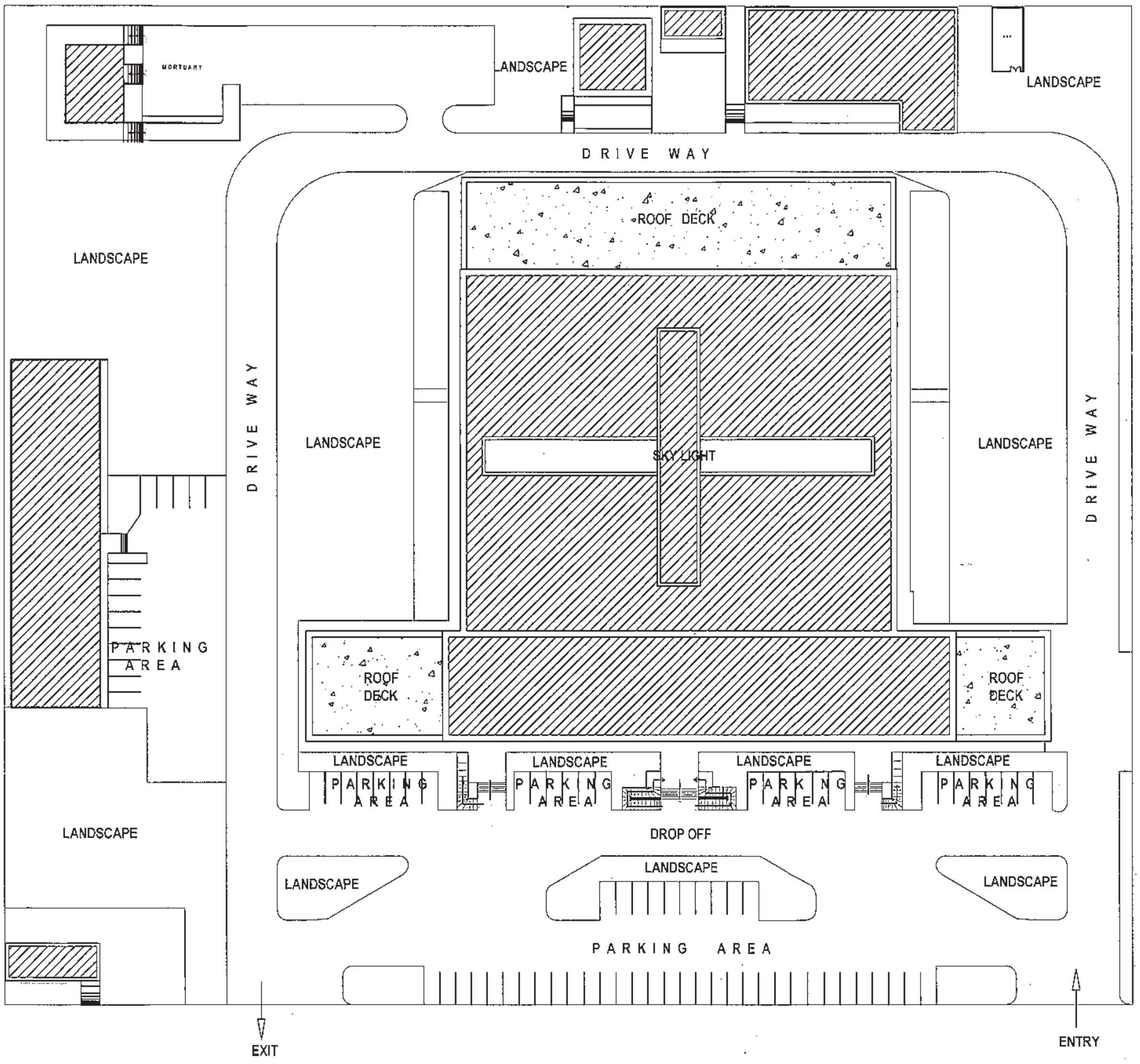


ZONAL / DEPARTMENTAL LAYOUT

STANDARD 100 - BED HOSPITAL (LEVEL 2)
ONE - STOREY MODEL



ONE - STOREY, 100 -BED HOSPITAL (LEVEL 2)



SITE DEVELOPMENT PLAN

STANDARD 100 - BED HOSPITAL (LEVEL 2)

TWO - STOREY MODEL

GRAPHICAL SCALE

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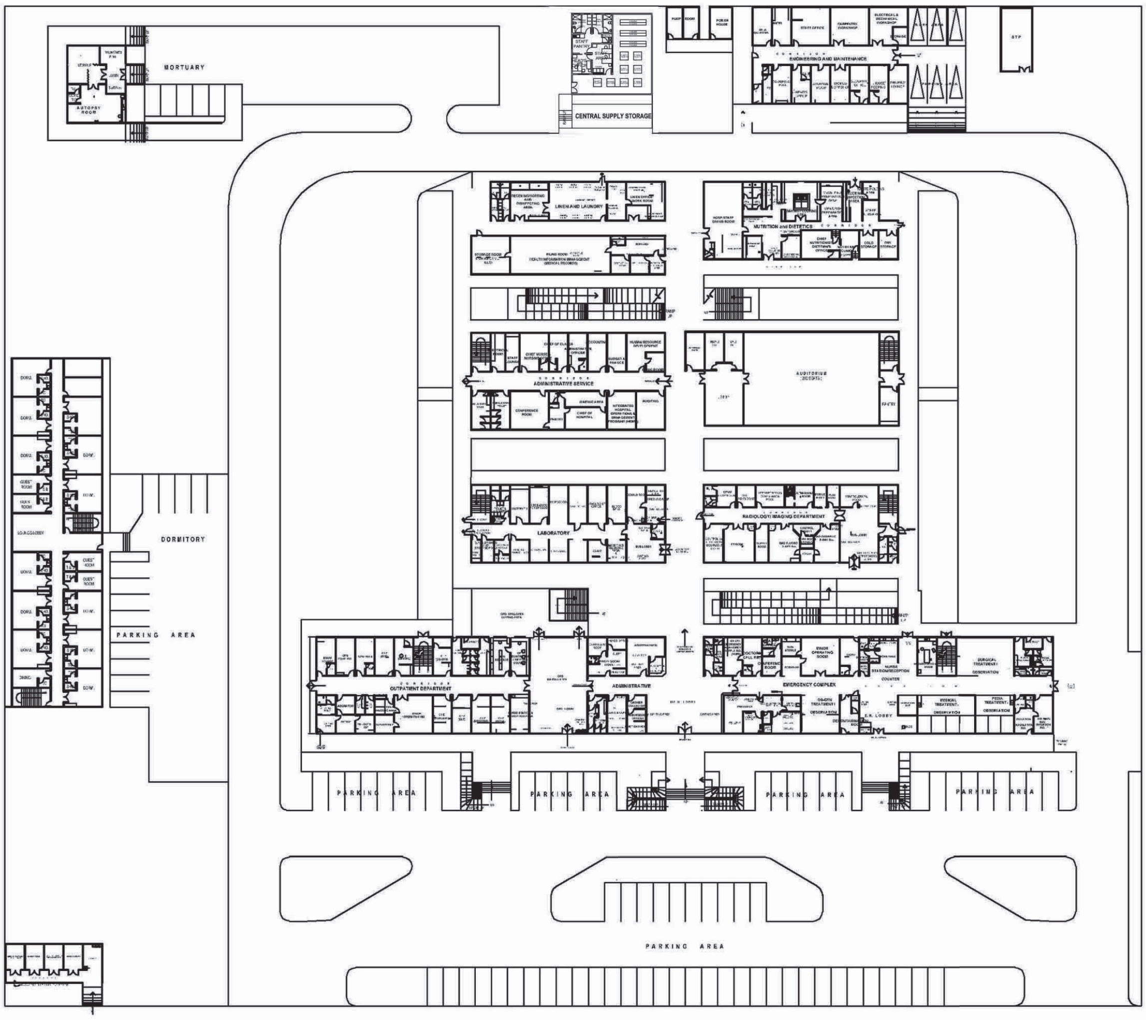
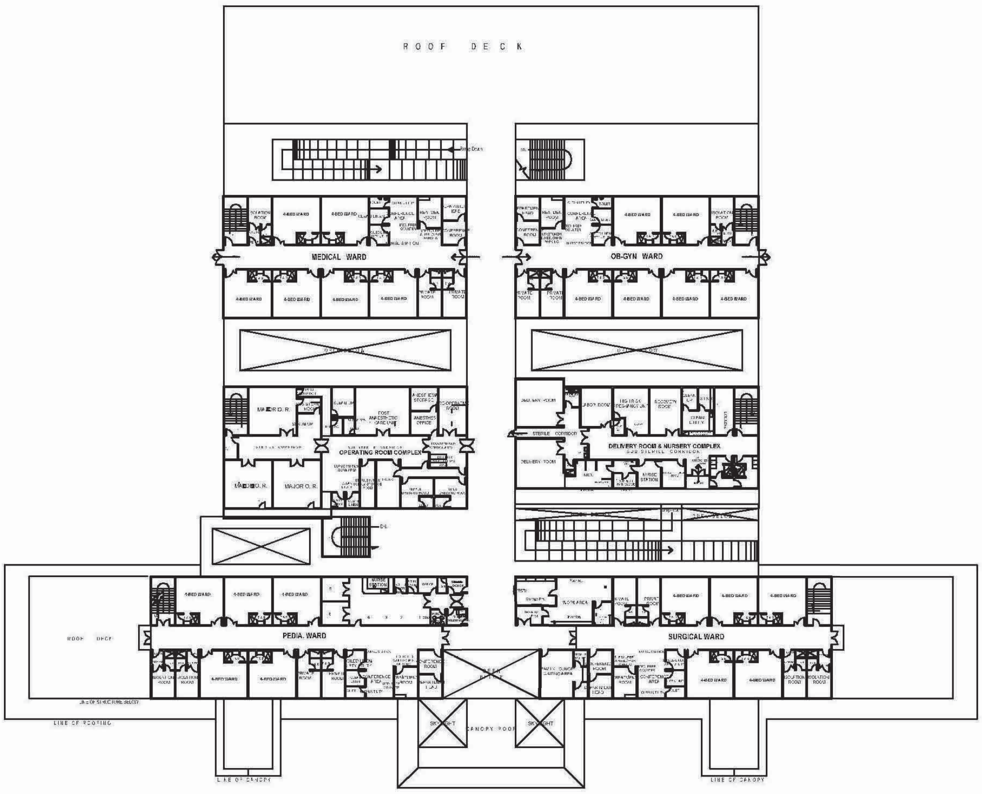


GROUND FLOOR PLAN
100-BED, TWO-STOREY

FLOOR PLAN
STANDARD 100 - BED HOSPITAL (LEVEL 2)
TWO - STOREY MODEL

GRAPHICAL SCALE
0 5 10 20



SECOND FLOOR PLAN

100-BED, TWO-STOREY

FLOOR PLAN

STANDARD 100 - BED HOSPITAL (LEVEL 2)

TWO - STOREY MODEL

GRAPHICAL SCALE

0 5 10 20

LEGEND

1	OUTPATIENT DEPARTMENT
2	MEDICAL/SOCIAL WORK
3	PHARMACY DEPARTMENT
4	EMERGENCY COMPLEX
5	LABORATORY
6	RADIOLOGY
7	ADMINISTRATIVE OFFICE
8	AUDITORIUM
9	MEDICAL RECORDS
10	LINEN AND LOUNDRY
11	DIETARY
12	WASTE MANAGEMENT
13	DORMITORY
14	MORTUARY
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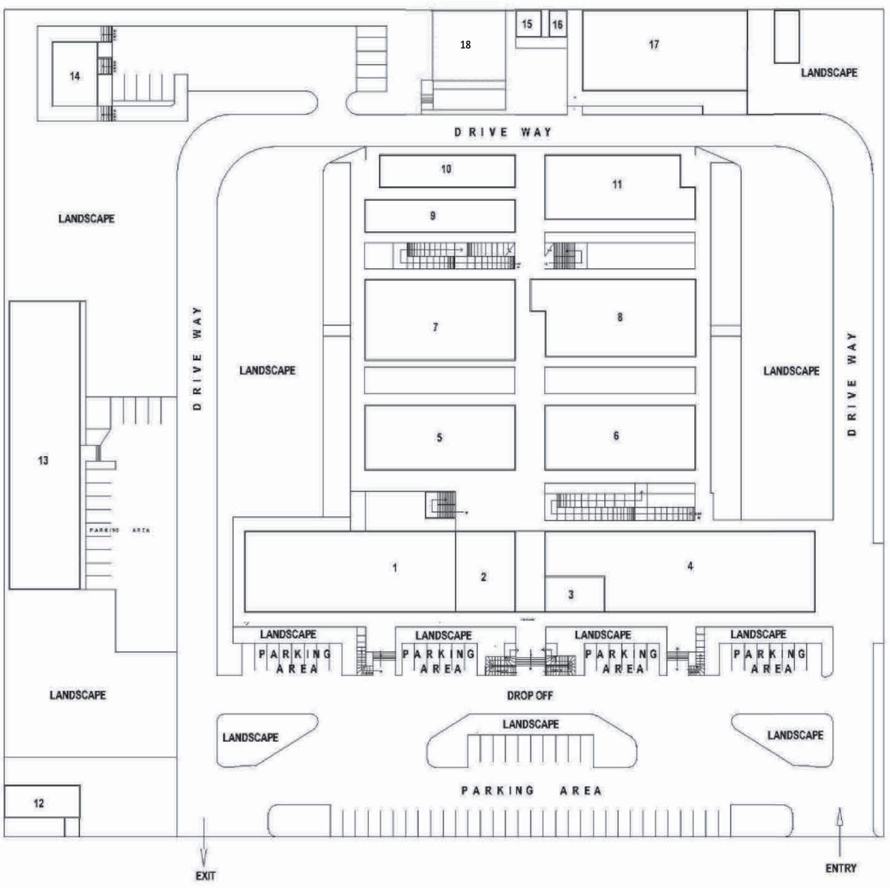
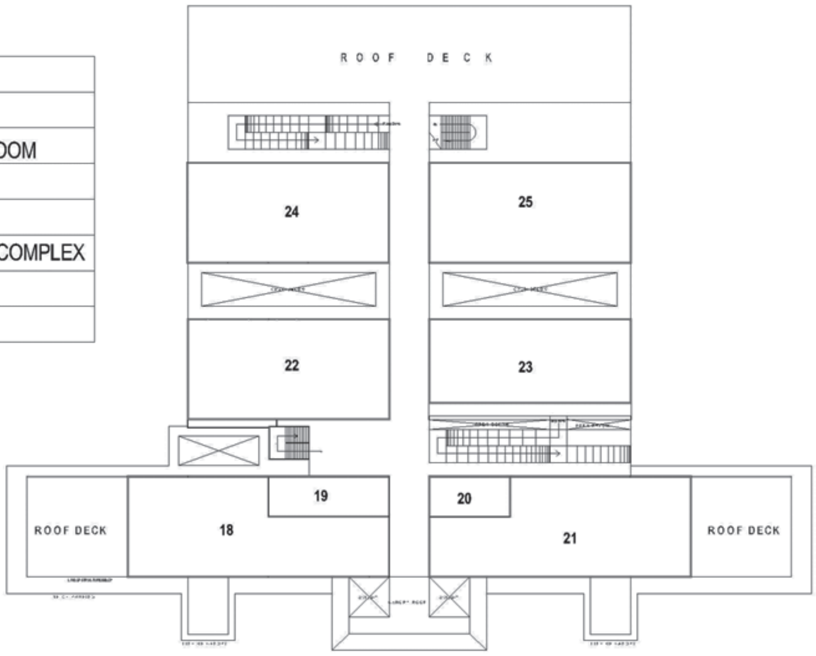
16	POWER HOUSE
17	ENGINEERING AND MAINTENANCE
18	CENTRAL SUPPLY STORAGE



GROUND FLOOR ZONAL/DEPARTMENTAL LAYOUT
STANDARD 100 - BED HOSPITAL (LEVEL 2)
TWO - STOREY MODEL

18	PEDIA WARDS
19	I.C.U
20	CENTRAL STERILIZING ROOM
21	SURGICAL WARDS
22	O.R SUITE
23	DELIVERY RM. & NURSERY COMPLEX
24	MEDICAL WARDS
25	OB - GYN WARDS



SECOND FLOOR ZONAL/DEPARTMENTAL LAYOUT

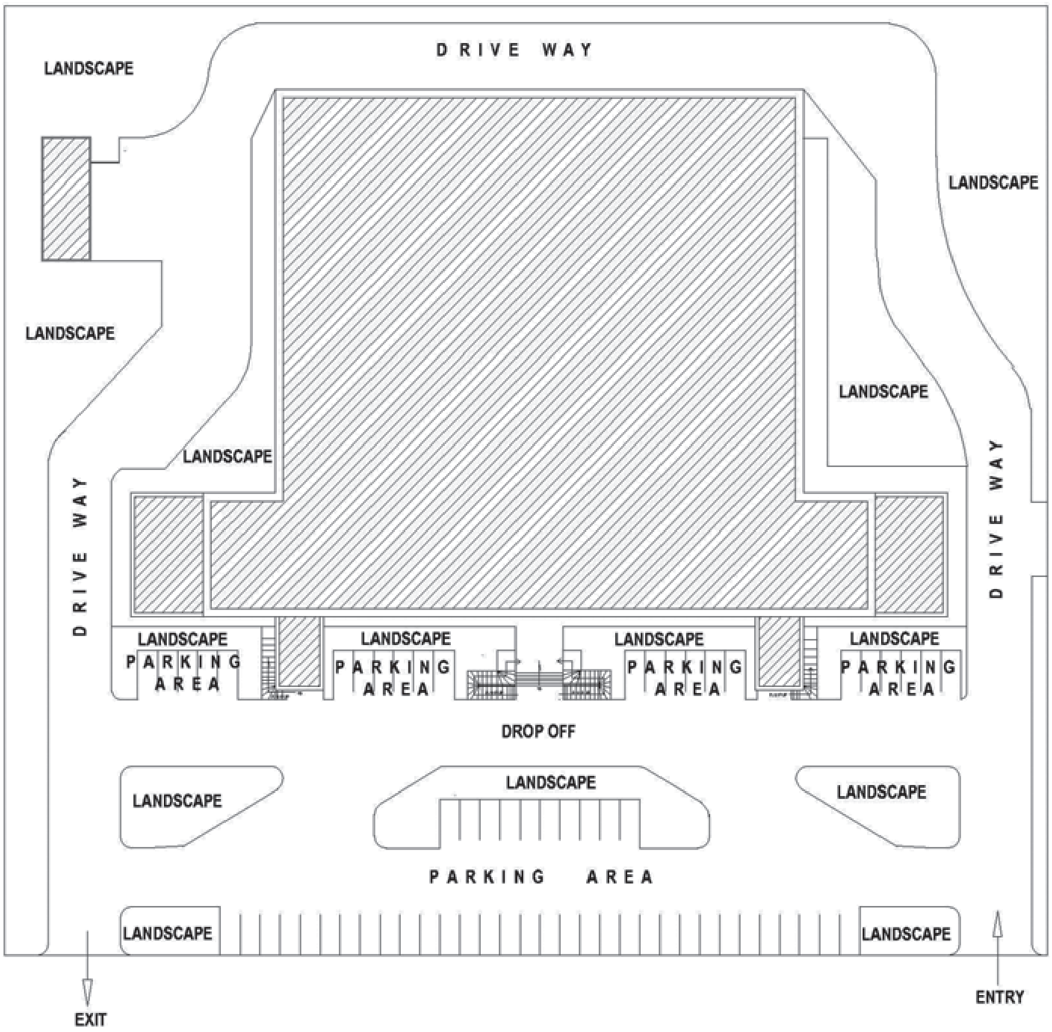
STANDARD 100 - BED HOSPITAL (LEVEL 2)

TWO - STOREY MODEL

GRAPHICAL SCALE
0 5 10 20

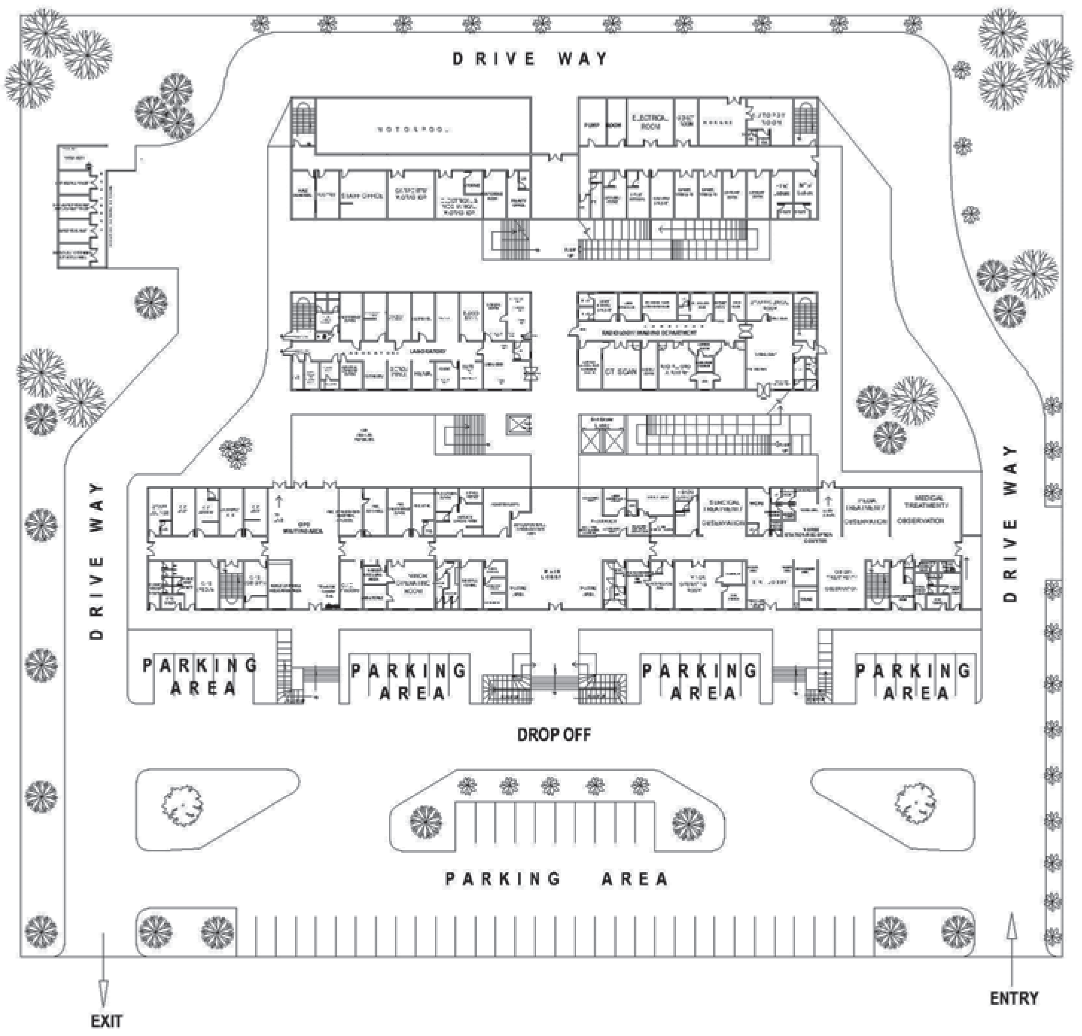
2 . 0C . 2b

TWO - STOREY, 100 - BED HOSPITAL (LEVEL 2)



SITE DEVELOPMENT PLAN

STANDARD 100 - BED HOSPITAL (LEVEL 2)
THREE - STOREY MODEL



GROUND FLOOR PLAN

STANDARD 100 - BED HOSPITAL (LEVEL 2)
THREE - STOREY MODEL

GRAPHICAL SCALE
0 5 10 20

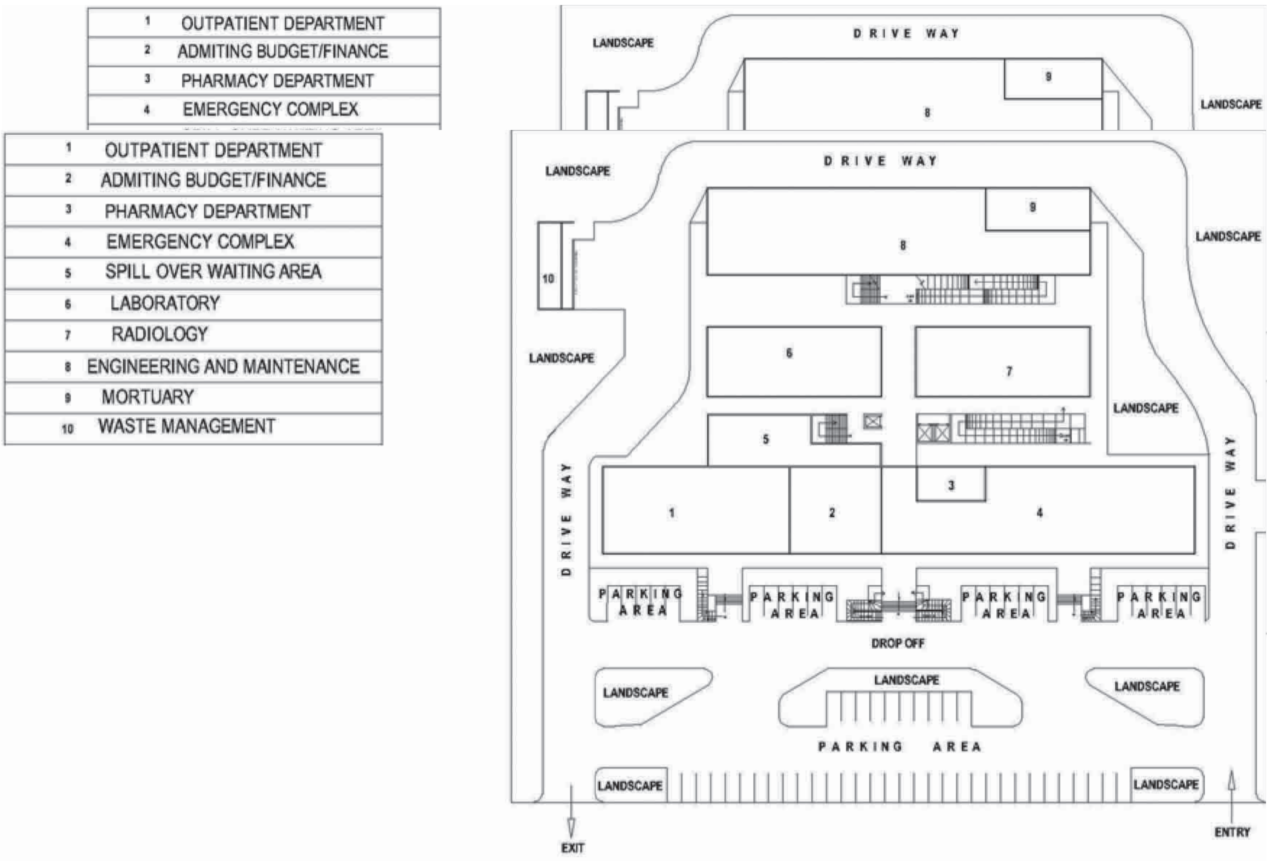
SECOND FLOOR PLAN

STANDARD 100 - BED HOSPITAL (LEVEL 2)
THREE - STOREY MODEL

GRAPHICAL SCALE
0 5 10 20

THIRD FLOOR PLAN
STANDARD 100 - BED HOSPITAL (LEVEL 2)
THREE - STOREY MODEL

GRAPHICAL SCALE
0 5 10 20

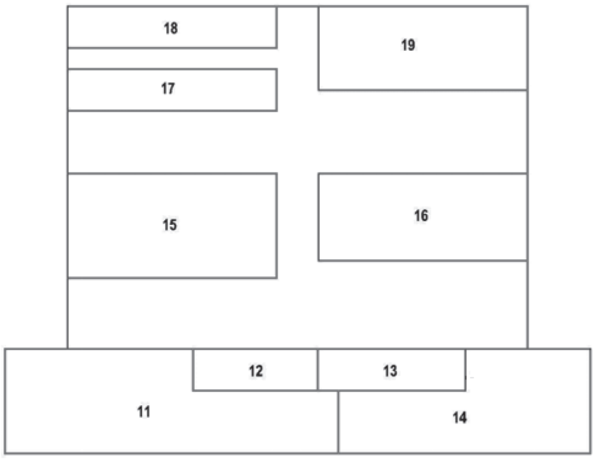


GROUND FLOOR ZONAL/DEPARTMENTAL LAYOUT

STANDARD 100 - BED HOSPITAL (LEVEL 2)

THREE - STOREY MODEL

11	EXECUTIVE ADMIN.
12	CENTRAL STERILIZING ROOM
13	I.C.U
14	PRIVATE ROOMS
15	O.R SUITE
16	D.R SUITE
17	MEDICAL RECORDS
18	LINEN AND LOUNDRY
19	DIETARY



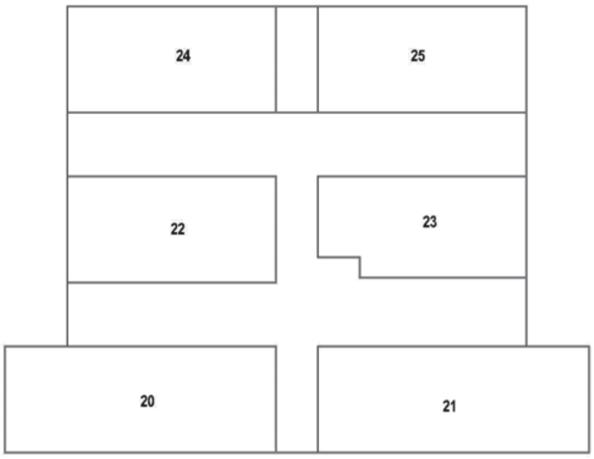
SECOND FLOOR ZONAL/DEPARTMENTAL LAYOUT

STANDARD 100 - BED HOSPITAL (LEVEL 2)
THREE - STOREY MODEL

GRAPHICAL SCALE
0 5 10 20

2 . 0C . 3b

20	OB - GYN WARDS
21	SURGICAL WARDS
22	MEDICAL RECORDS
23	PEDIA WARDS
24	DORMITORY
25	AUDITORIUM



THIRD FLOOR ZONAL/DEPARTMENTAL LAYOUT

STANDARD 100 - BED HOSPITAL (LEVEL 2)

THREE - STOREY MODEL

2 . 0C . 3c

THREE - STOREY, 100 - BED HOSPITAL (LEVEL)

MANUAL ON TECHNICAL GUIDELINES FOR HOSPITAL PLANNING AND DESIGN 100-BED HOSPITAL (LEVEL 2)

VOLUME 3

DEPARTMENTAL PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Volume 3
Departmental Plans and Technical Requirements
Of a 100-Bed Hospital (Level 2)

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VOLUME 3

DEPARTMENTAL PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

3.1 ADMINISTRATIVE SERVICE FACILITIES

Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Hospital: 100-Bed (Level 2)	SERVICE FACILITY SHEET INDEX		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Service Facility Title: **ADMINISTRATIVE**	Room Title: **MAIN LOBBY**	Reference Sheet Number: **AD-SFSI-01**

R O O M T I T L E	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
ADMINISTRATIVE		**551.85**		
MAIN LOBBY	72		**AD-RDS-01**	**43**
INFORMATION/RECEPTION & COMMUNICATION AREA	7.65		**AD-RDS-02**	**46**
ADMITTING OFFICE	36		**AD-RDS-03**	**49**
BILLING AND CLAIMS	18		**AD-RDS-04**	**52**
CASHIE'R OFFICE	18		**AD-RDS-05**	**55**
MEDICAL SOCIAL WORK OFFICE	36		**AD-RDS-06**	**59**
AUDITING	27		**AD-RDS-07**	**69**
BUDGET AND FINANCE	18		**AD-RDS-08**	**72**
ACCOUNTING	18		**AD-RDS-09**	**75**
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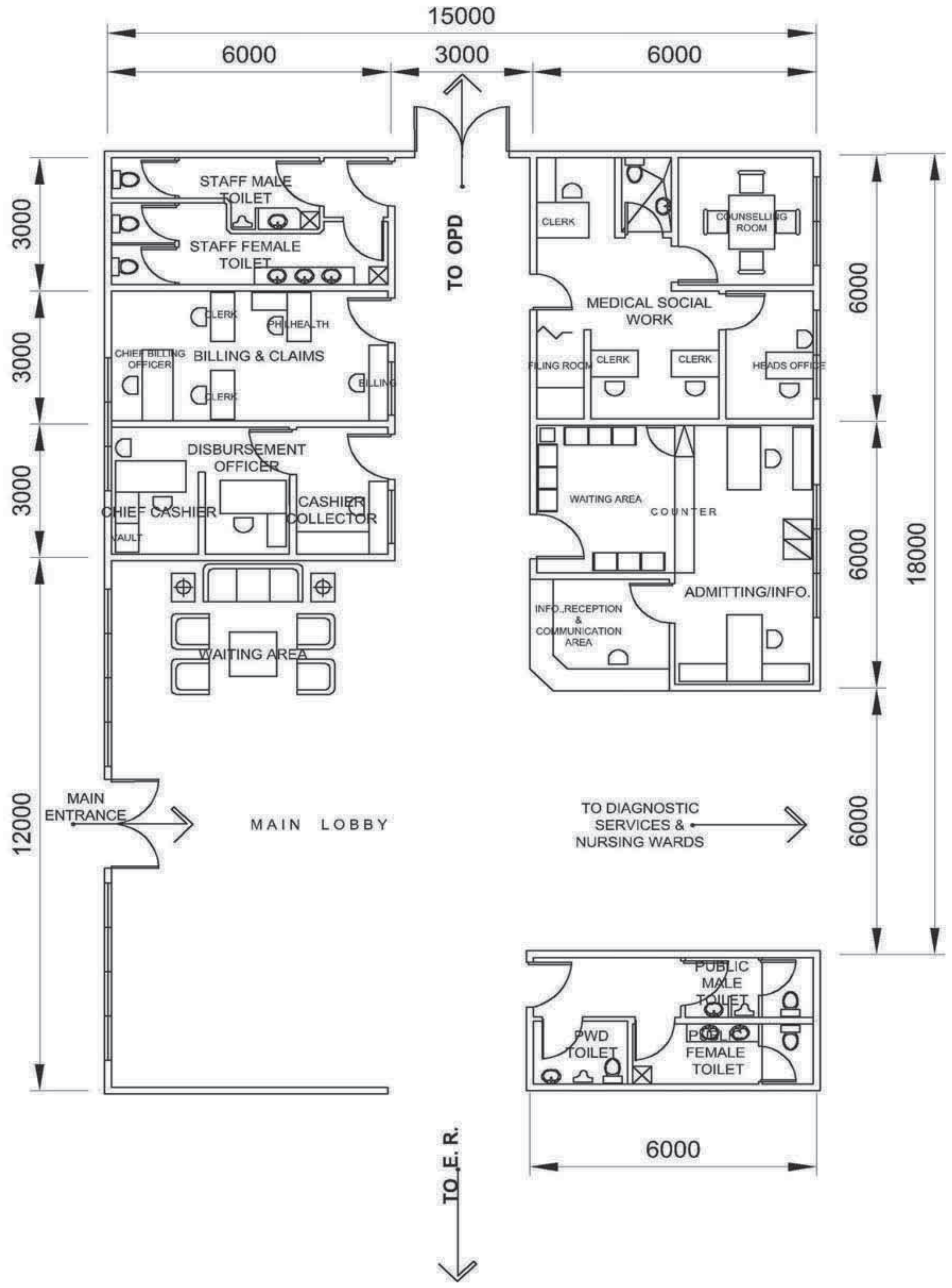
OFFICE OF THE CHIEF OF HOSPITAL	54		**AD-RDS-12**	**84**
CONFERENCE ROOM	36		**AD-RDS-13**	**87**
OFFICE OF THE ADMINISTRATIVE OFFICER	18		**AD-RDS-14**	**90**
CHIEF OF CLINICS	18		**AD-RDS-15**	**93**
OFFICE OF THE CHIEF NURSE & NURSING OFFICE	27		**AD-RDS-16**	**96**
STAFF LOUNGE	13.2		**AD-RDS-17**	**99**
TOILETS FOR MALE AND FEMALE STAFF (FRONT LINE)	18		**AD-RDS-18**	**62**
TOILETS FOR MALE AND FEMALE STAFF (EXECUTIVE)	36		**AD-RDS-19**	**102**
PUBLIC/PWD TOILETS	18		**AD-RDS-20**	**65**

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE (FRONTLINE)**	Reference Sheet Number: **AD-DDS-01**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **MAIN LOBBY**	Reference Sheet Number: **AD-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Reception/waiting area for patients, relatives and visitors.	Glass board with directory	1	
	Waste Bin w/ black or colorless lining	2	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved:			
Patients, Relatives and Visitors	3-Seater Sofa, 750x2000		
	Armchair, 750x750		
	Center Table, 900x900		
	Side Table, 600x700		
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the frontline service building.	Window curtain rail	2	
	Outlet, 10A, 2P, 240V, duplex	6	grounding type, universal
	Outlet, DATA	2	wall-mounted
	Telephone Outlet	2	desktop
	Smoke Detector	1	
	Outlet, 10A, 2P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **MAIN LOBBY**	Reference Sheet Number: **AD-RDS-01B**

TECHNICAL DESIGN DATA:

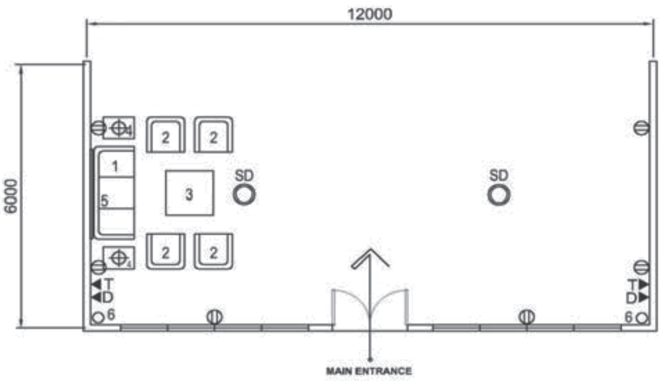
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	50
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	general public
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **MAIN LOBBY**	Reference Sheet Number: **AD-RDS-01C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	Essential: DESIRABLE: unnecessary
Door set	wheel chair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. 3-Seater Sofa, 750x2000
2. Armchair, 750x750
3. Center Table, 900x900
4. Side Table, 600x700
5. Glass Board w/ directory
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **INFORMATION/RECEPTION & COMMUNICATION AREA**	Reference Sheet Number: **AD-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	**EQUIPMENT AND ACCESSORY CHECKLIST**	**QUANTITY**	**REMARKS**
a. Receives queries from clients, patients and guests. b. Gives direction to hospital clients.	Computer w/ internet connection Waste Bin w/ black or colorless lining	1 2	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 1 x Computer Operator Patients and Guests	Information Counter Computer Table Swivel Chair	1 1 1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Adjacent to lobby.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, DATA Outlet, 10A, 2P, 240V, single	2 1 1 1	grounding type, universal wall-mounted for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **INFORMATION/RECEPTION & COMMUNICATION AREA**	Reference Sheet Number: **AD-RDS-02B**

TECHNICAL DESIGN DATA:

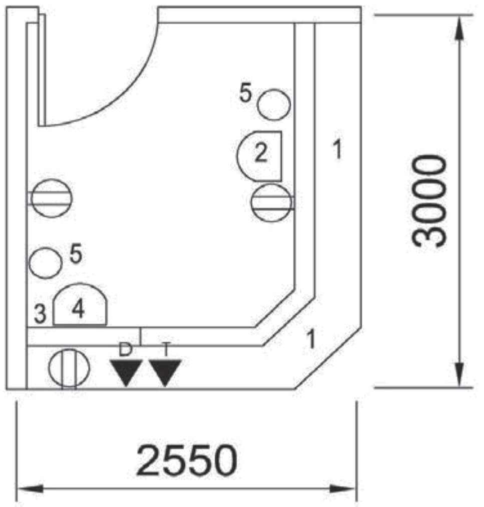
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE:unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	general public
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **INFORMATION/RECEPTION & COMMUNICATION AREA**	Reference Sheet Number: **AD-RDS-02C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair acces
Windows	clear, solar control
	Tinted lead glass to outside
Internal glazing	Tinted / Lead

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Information Counter
2. Swivel Chair, w/ casters
3. Computer Table
4. Computer Chair
5. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **ADMITTING OFFICE**	Reference Sheet Number: **AD-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Admitting of patients. b. Conduct of interviews to clients to determine service needed. c. Assignment of room/bed where patient is to be admitted. (private, pay medicare or service) d. Encoding of demographic data of inpatient records.	Computer w/ internet connection Printer Waste Bin w/ black or colorless lining	1 1 4	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 1 x Administrative Officer I 4 x Computer Operator II Patients and Companion/s	Desk, 750 x 1200 Computer Table Swivel Chair Single-seater couch Three-Seater Sofa Whiteboard Side Table Steel Filing Cabinet Chair, upright, stacking	1 1 1 4 2 1 4 2 7	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to lobby.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, DATA Outlet, telephone Airconditioning Unit Smoke Detector Outlet, 10A, 2P, 240V, single	2 9 2 2 1 1 2	 grounding type, universal wall mounted desk top split type for emergency light

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health** **HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **ADMITTING OFFICE**	Reference Sheet Number: **AD-RDS-03B**

TECHNICAL DESIGN DATA:

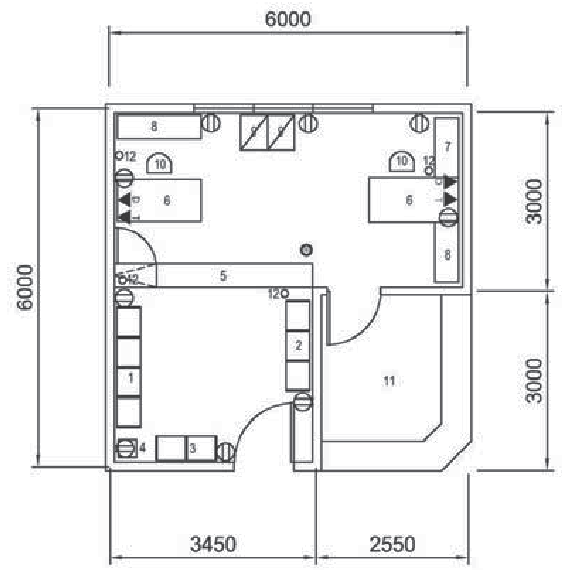
ENVIRONMENTAL CONDITIONS	**DESIGN DATA**	**ENVIRONMENTAL CONDITIONS**	**DESIGN DATA**
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL:desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE:unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	general public
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **ADMITTING OFFICE**	Reference Sheet Number: **AD-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
	Tinted lead glass to outside
Internal glazing	Tinted / Lead

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. 4-Seater, Gang Chair
2. 3-Seater, Gang Chair
3. 2-Seater, Gang Chair
4. Side Table
5. Transaction Counter
6. Desk, 750x1500
7. Desk Return, 400x900
8. Cabinet, 450x1200
9. Steel Filing Cabinet
10. Swivel Chair, w/ ball casters
11. Information/Reception & Communication Area
12. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **BILLING AND CLAIMS**	Reference Sheet Number: **AD-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Chief Billing Officer and Clerks read, write and use telephone in their work stations. b. Chief Billing Officer and Clerks compute billing charges. c. Chief Billing Officer and Clerks sort charge slips, store, file, and retrieve billing records.	Computer Printers ACU Telephone Waste Bin w/black or colorless lining	3 3 1 1 5	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Chief Billing Officer 3 x Clerks	Desk, 750x1200 Clerical Desk, 600x1200 Steel, filing Cabinet Computer Table Wall-mounted filing cabinet Counter with glass windows	1 3 2 2 1 2	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Accessible to the Office of the Administrative Officer. b. Accessible to Business and Finance Office.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet , 10A, 2P, 240V, single Outlet, DATA Outlet, telephone Smoke detector	2 10 1 2 2 1	 grounding type, universal for emergency light wall-mounted desktop

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **BILLING AND CLAIMS**	Reference Sheet Number: **AD-RDS-04B**

TECHNICAL DESIGN DATA:

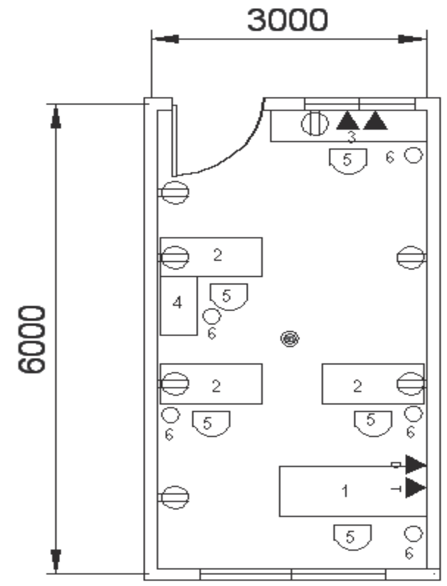
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	ESSENTIAL:desirable: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAl: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Philhealth staff/ patient/ visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **BILLING AND CLAIMS**	Reference Sheet Number: **AD-RDS-04C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	wheelchair access/ ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1200
2. Desk, 600x1200
3. Transaction Counter
4. Desk Return, 400x900
5.Chair, upright, stacking
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **CASHIER'S OFFICE**	Reference Sheet Number: **AD-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Prepares checks and statement of collection and disbursement. b. Maintain record of collection and deposit. c. Collects payments. d. Issues check to suppliers and other claimants. e. Prepares Monthly Report of Collection and Deposit and other Reports.	Computer Printer CCTV Check Writer Money Verifier (Scanner) Typewriter Waste Bin w/ black or colorless lining	2 1 2 1 1 1 3	 if funds available
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**		**REMARKS**
1 x Chief Cashier Officer 2 x Collecting and Disbursement Clerks	Counter Desk, 750x1200 Computer table Side Extension Swivel chair Cork/White board Vault Chair, upright, stacking	1 2 2 2 3 1 1 1	as planned
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Billing and PhilHealth Section b. Adjacent to Medical Social Worker	Window curtain rail Outlet, 10A,2P,240V, duplex Outlet, DATA Outlet, telephone Outlet, 10A, 2P, 240V, single Smoke Detector	2 2 3 3 2 1	 grounding type, universal slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **CASHIER'S OFFICE**	Reference Sheet Number: **AD-RDS-05B**

TECHNICAL DESIGN DATA:

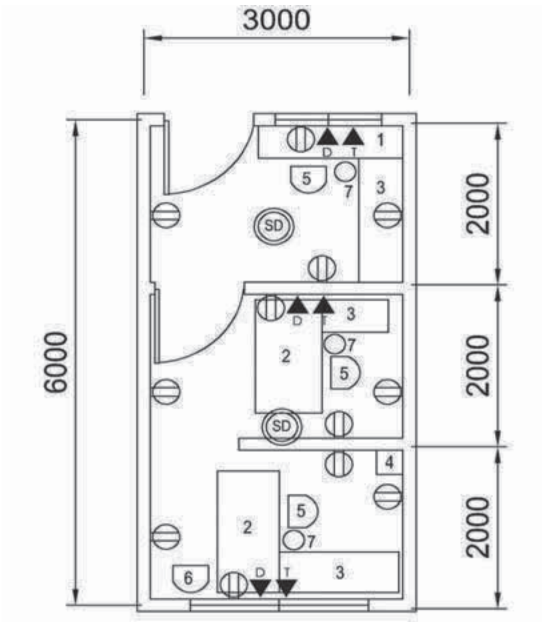
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	Essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessay
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Chief Cashier, Clerks
		Fire risk	LOW: medium: high
		Other risk	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **CASHIER'S OFFICE**	Reference Sheet Number: **AD-RDS-05C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
	tinted lead glass to outside
Internal Glazing	tinted/lead

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Counter with table below
2. Desk, 750x1500
3. Side Extension, 400x900
4. Vault
5. Swivel Chair, w/ ball casters
6. Visitor's Chair
7. Waste Bin

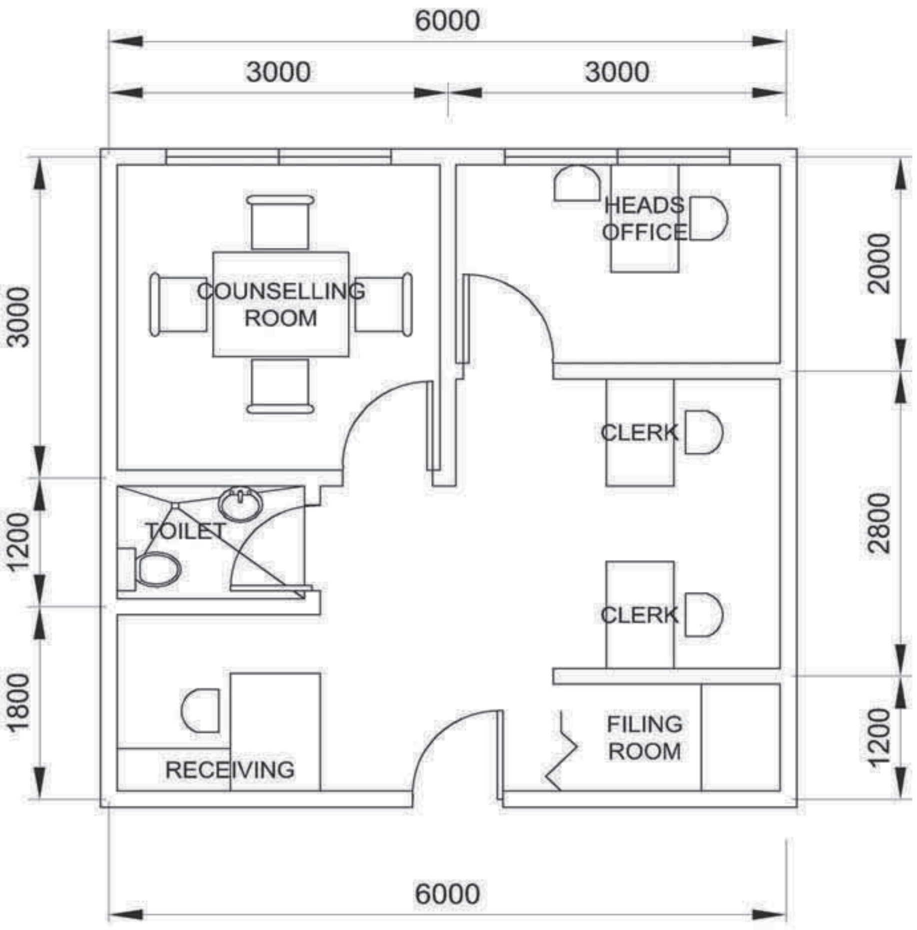
SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MEDICAL SOCIAL SERVICE**	Reference Sheet Number: **AD-DDS-01A**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MEDICAL SOCIAL WORK**	Room Title: **MEDICAL SOCIAL WORK OFFICE**	Reference Sheet Number: **AD-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. MSW conducts psychosocial assessment to determine financial capacity of patient to defray expenses and diagnose psychosocial condition as it interacts with physical condition and treatment. This involve interviewing patient, family and significant others.
b. MSW has referral system and maintain coordination with medical team, other stakeholders, patient family and other significant others.
c. MSW provides case management and therapeutic services that includes pre-admission and discharge planning, group therapy.
d. MSW documents, maintain reports, conducts research and studies.
e. Clerk receives visitors, requests communication, documents and maintains reports, maintain filing system.
f. MSW validates Philhealth membership and NHTS listing of indigent patients from computer program provided.
g. Provide supervisory service for both administrative and clinical services of the MSWD staff
h. Attend to the reference patients with special needs such as pay patients requesting for transfer to service ward or political reference.
i. Conducts resource development and networking
j. Develop plans and policies for the unit

People Involved:
1 x Head Medical Social Worker
1 x Clerk
Patient, family and significant others
Medical team
NGO's, GO's, other stakeholders

Planning Relationships:

a. Close to Admitting office.
b . Accessible to Emergency Room and Outpatient Department.
d. Accessible to the Office of the Administrative Officer.
e. Close to Business and Finance Office.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Computer w/ internet connection	3	
Telefax	1	
Queing system	1	
Copying Machine	1	
Safety Alarm	1	
Local Telephone	1	
Waste Bin w/ black or colorless lining	6	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Junior Executive Chair	1	room should be sound proof to afford privacy but with glass windows for security purpose and with emergency buzzer
Desk, 750x1200	1	
Steel filing cabinet, 500x700	2	
Occasional Table, 1200x1200	1	
Counselling Chair	4	
Desk, 600x1200	2	
Clerical Chair	3	
Visitor's Chair	4	
Desk Return (extension), 400x900	1	
Folding Partition, 1800mm high	1	
Water Closet w/ spray hose	1	
Lavatory	1	
Floor Strainer	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, 10A,2P,240V,duplex	15	grounding type, universal
Outlet, 10A, 2P, 240V, single	3	for emergency light
Outlet, telephone (desktop)	2	desktop
Outlet, DATA	4	wall-mounted
Smoke detector	2	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MEDICAL SOCIAL WORK**	Room Title: **MEDICAL SOCIAL WORK OFFICE**	Reference Sheet Number: **AD-RDS-06B**

TECHNICAL DESIGN DATA:

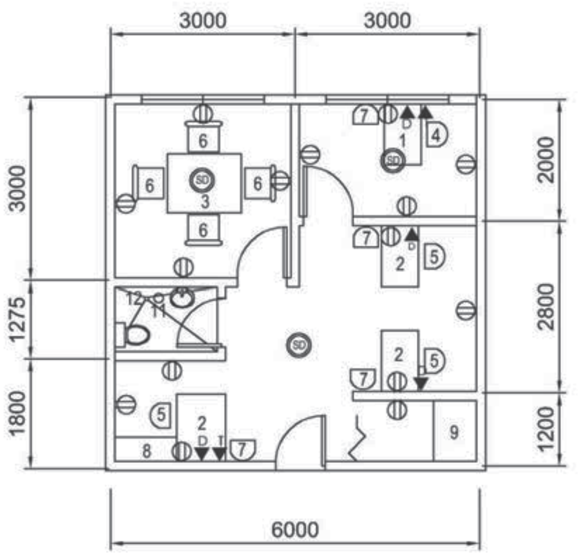
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Medical Social Service Staff, patients & visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MEDICAL SOCIAL WORK**	Room Title: **MEDICAL SOCIAL WORK OFFICE**	Reference Sheet Number: **AD-RDS-06C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures & floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
	tinted lead glass to outside
Internal glazing	tinted / Lead

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1200
2. Desk, 600x1200
3. Occasional Table, 1200x1200
4. Junior Executive Chair
5. Clerical Chair
6. Counseling Chair
7. Visitor's Chair
8. Desk Return (extension)
9. Steel Filing Cabinet, 500x700
10. Folding Partition, 1800mm high
11. Waste Bin
12. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**	**Department of Health** **HEALTH FACILITY DEVELOPMENT BUREAU**

Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE (FRONTLINE)**	Room Title: **STAFF MALE AND FEMALE TOILETS**	Reference Sheet Number: **AD-RDS-18A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Hospital administrative staff make use of personnel toilet facilities. b. Janitorial services do clean-up activities.	Exhaust Fan Waste Bin w/ black and yellow lining	2 2	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Male and Female Employees	Water closet w/ spray hose Lavatory Urinal Slop Sink Floor Strainer	3 4 1 2 7	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
Adjacent to Billing and Claims Office.	Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Heat Detector	2 2 2	grounding type universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **STAFF MALE AND FEMALE TOILETS**	Reference Sheet Number: **AD-RDS-18B**

TECHNICAL DESIGN DATA:

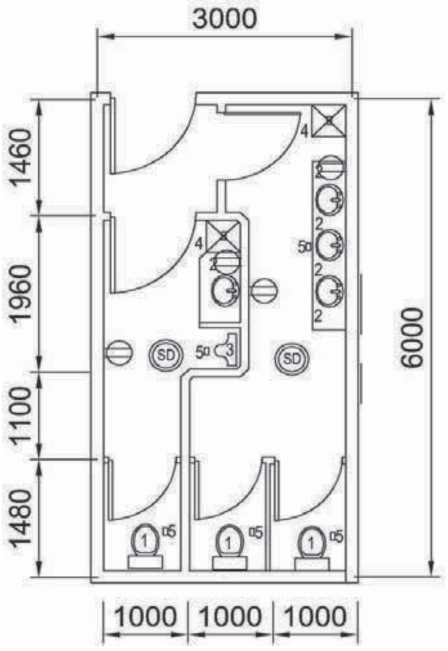
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	Ambient	Night illumination (LUX)	50
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.M./hr.-person)	85	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	APPLICABLE	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	Administrative Staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **STAFF MALE AND FEMALE TOILETS**	Reference Sheet Number: **AD-RDS-18C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at plumbing fixtures
Drainage	required at plumbing fixtures and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	ordinary & wheelchair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Water Closet
2. Lavatory
3. Urinals
4. Slop Sink
5. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **PUBLIC/PWD TOILET**	Reference Sheet Number: **AD-RDS-20A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Hospital patients, relatives and visitors make use of public/PWD toilet. b. Janitorial services do clean-up activities.	Exhaust Fan Waste Bin w/ black or colorless lining	3 3	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Patients, Relatives and Visitors	Water closet w/ spray hose Lavatory Urinal Slop Sink Floor Strainer	3 4 2 1 6	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
Adjacent to the main lobby.	Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Heat Detector Smoke Detector	4 3 3 1	grounding type universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **PUBLIC/PWD TOILET**	Reference Sheet Number: **AD-RDS-20B**

TECHNICAL DESIGN DATA:

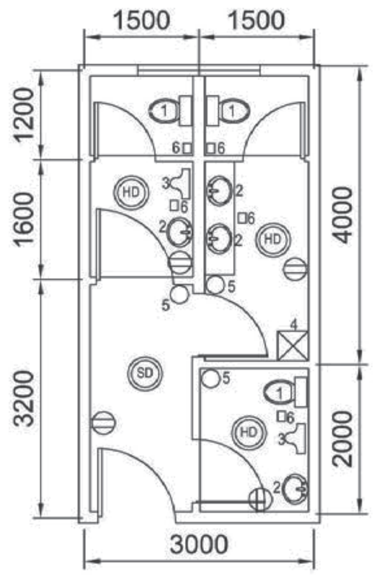
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	Ambient	Night illumination (LUX)	50
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	85	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	Required	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration		Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	Visitors/patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **PUBLIC/PWD TOILET**	Reference Sheet Number: **AD-RDS-20C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at plumbing fixtures
Drainage	required at plumbing fixtures and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	Ordinary & Wheelchair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Water Closet w/ spray hose
2. Lavatory
3. Urinals
4. Slop Sink
5. Waste Bin
6. Floor Strainer

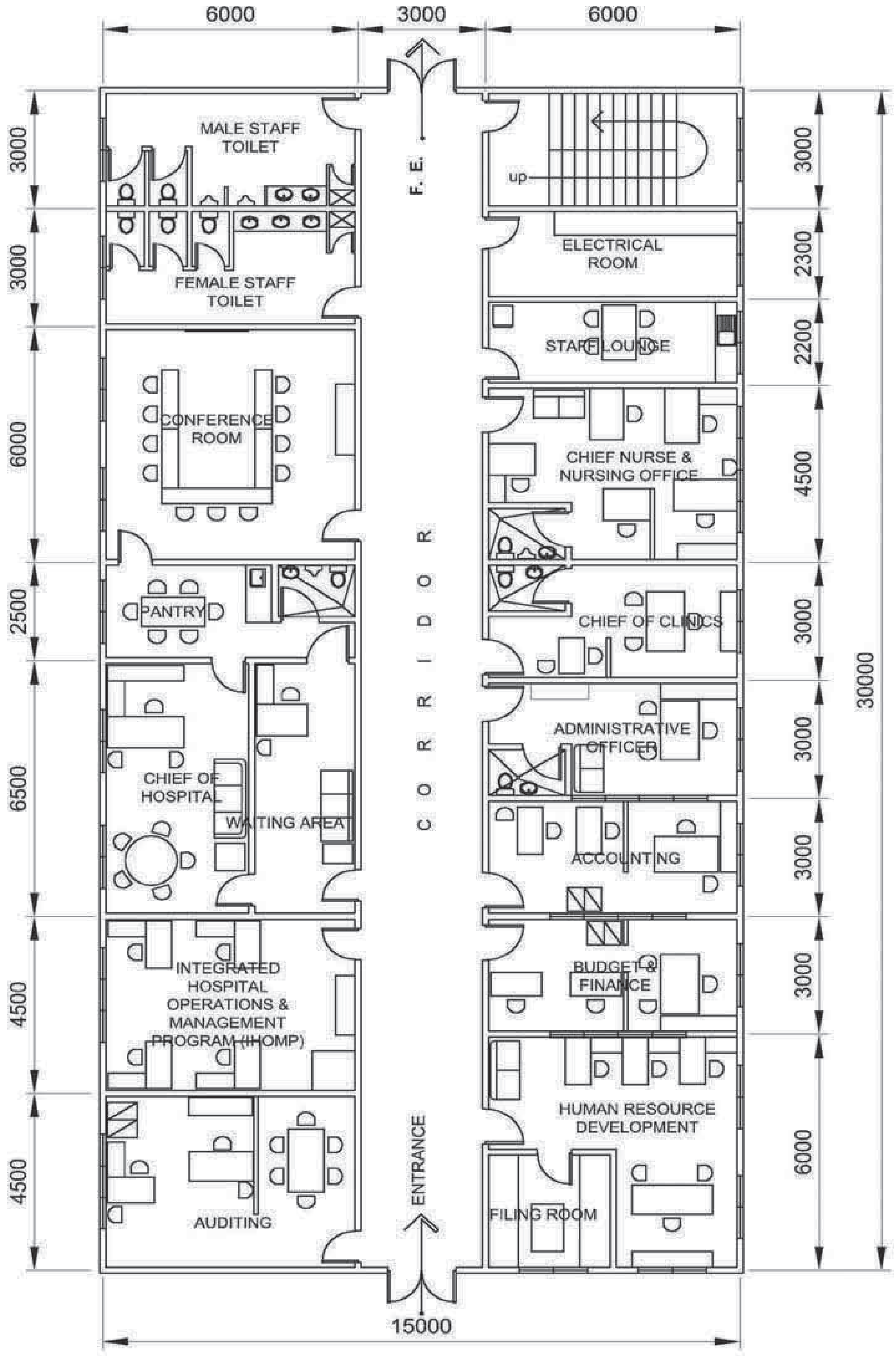
SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE** **(EXECUTIVE)**	Reference Sheet Number: **AD-DDS-01B**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **AUDITING**	Reference Sheet Number: **AD-RDS-07A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Commission on Audit personnel reads, writes, and users telephone in his work. b. Commission on Audit personnel receives visitors. c. Commission on Audit personnel stores, and retrieves records.	Computer Calculating machine Printer Waste Bin w/ black or colorless lining	1 1 1 3	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x COA Auditor 1 x Clerk 10x Visitors	Desk, 750x1500 Back Cabinet, 400x1500 Desk, 600x1200 Side Extension, 400x900 Clerical Chair Visitor's Chair Conference Table, 750x1500 Conference Chair Steel Filing Cabinet, 500x700 Partition, 1800mm high	1 1 1 1 2 2 1 6 2	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Billing and Finance Office b. Close to Office of the Administrative Officer.	Window curtain rail Outlet, DATA Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Outlet, telephone Smoke detector	1 2 9 2 1 1	 grounding type, universal slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **AUDITING**	Reference Sheet Number: **AD-RDS-07B**

TECHNICAL DESIGN DATA:

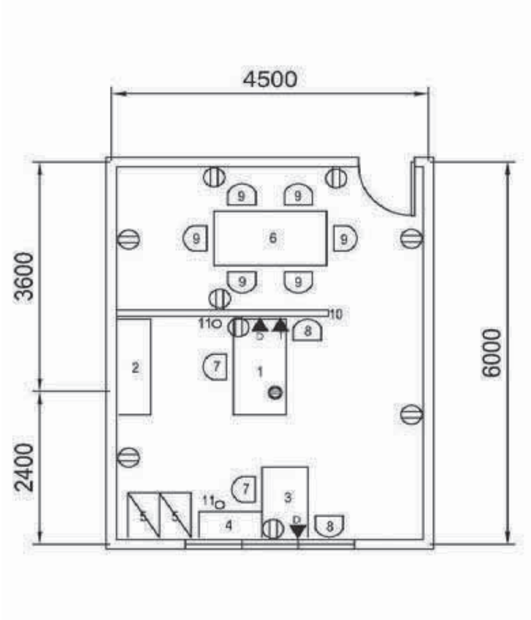
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	Essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	Essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.8		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	COA Staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **AUDITING**	Reference Sheet Number: **AD-RDS-07C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear , solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1500
2. Back Cabinet, 400x1500
3. Desk, 600x1200
4. Side Extension, 400x900
5. Steel Filing Cabinet, 500x700
6. Conference Table, 750x1500
7. Clerical Chair
8. Visitor's Chair
9. Conference Chair
10. Low Partition, 1800mm high
11. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **BUDGET AND FINANCE**	Reference Sheet Number: **AD-RDS-08A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Process funding and payment of vouchers, payroll, contract and other financial transaction of the hospital. b. Maintain and ensure that the financial transaction is in accordance with the generally accepted accounting and auditing rules and regulations. c. Prepares and submit accurate and timely financial statements and reports. d. Maintains book of accounts, equipment and supplies and accounts receivables. e. Provide periodic financial analysis.	Computer	3	
	Printer with scanner	1	
	Printer for payroll	1	
	Tape Recorder	1	
	Waste Bin w/ black or colorless lining	3	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Chief Accountant	Junior Executive Chair	1	
Chief Budget Officer	Desk, 900x1500	1	
Bookeeper	Desk, 600x1200	2	
Budget Clerk	Clerical Chair	2	
Accounting Clerk	Steel filing cabinet, 500x700	2	
	Visitor's Chair	2	
	Cork/White board	1	
	Modular office partition 1.5m H		as planned
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Office of the Administrative Officer.	Window curtain rail	2	
b. Close to Office of the Chief of Hospital.	Outlet, 10A,2P,240V, duplex	9	grounding type, universal
	Outlet, DATA	3	
	Outlet, 10A, 2P, 240V, single	2	for emergency light
	Outlet, telephone	2	
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **BUDGET AND FINANCE**	Reference Sheet Number: **AD-RDS-08B**

TECHNICAL DESIGN DATA:

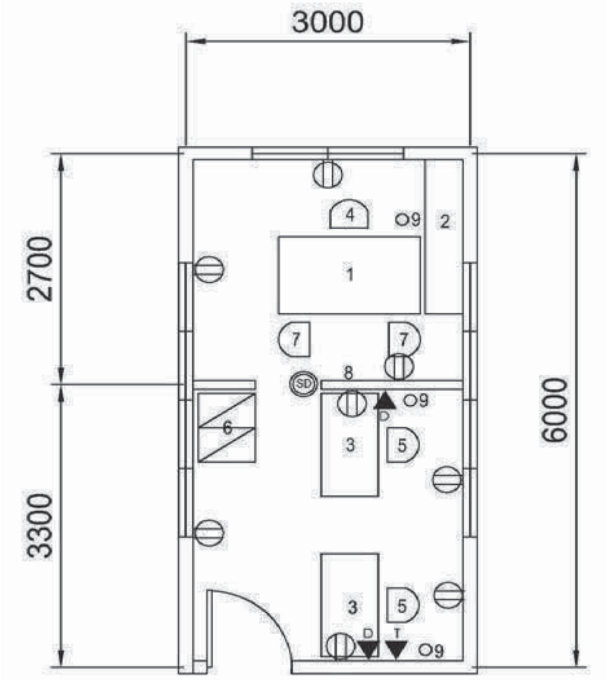
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential:DESIRABLE: unnecessary
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	accounting & administrative staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **BUDGET AND FINANCE**	Reference Sheet Number: **AD-RDS-08C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access door
Windows	clear, solar control, privacy
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 900x1500
2. Side Cabinet, 400x1800
3. Desk, 600x1200
4. Jr. Executive Chair
5. Clerical Chair
6. Steel Filing Cabinet
7. Visitor's Chair
8. Partition, 1800 high
9. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **ACCOUNTING**	Reference Sheet Number: **AD-RDS-09A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Chief Accountant and Clerks read, write, and use telephone in their work station.
b. Chief Accountant and Clerks receive visitors.
c. Chief Accountant and Clerks store, file, and retrieve records.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Computer	2	
Calculating machine	2	
Waste Bin w/ black or colorless lining	3	

People Involved:

1 x Chief Accountant
1 x Bookeeper
1 x Accounting Clerk

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Junior Executive Chair	1	
Desk, 900x1500	1	
Clerical Chair	2	
Steel filing cabinet, 500x700	1	
Steel filing cabinet w/ safe	1	
Side Cabinet, 400x800	1	
Visitor's Chair	2	
Desk, 600x1200	2	

Planning Relationships:

a. Close to Office of the Administrative Officer.
b. Close to Budget and Finance Office.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, telephone	2	Desk Top
Outlet, 10A,2P,240V, duplex	9	grounding type universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Outlet, DATA	3	wall-mounted
Smoke detector	1	
Airconditioning Unit	1	window/split type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **ACCOUNTING**	Reference Sheet Number: **AD-RDS-09B**

TECHNICAL DESIGN DATA:

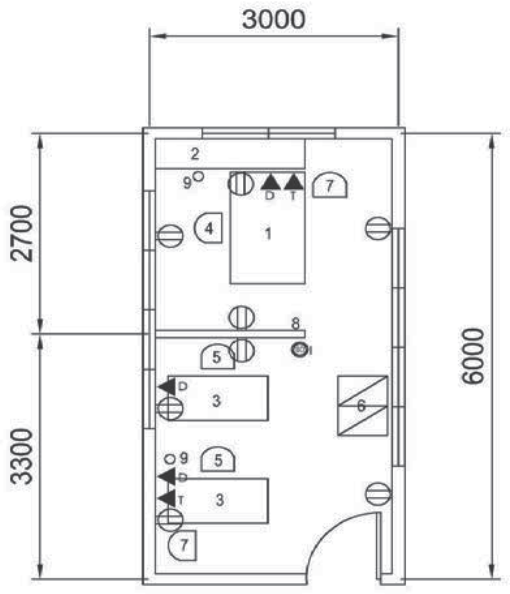
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential:DESIRABLE: unnecessary
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	accounting & administrative staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **ACCOUNTING**	Reference Sheet Number: **AD-RDS-09C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access door
Windows	clear, solar control, privacy
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 900x1500
2. Side Cabinet, 400x800
3. Desk, 600x1200
4. Junior Executive Chair
5. Clerical Chair
6. Steel Filing Cabinet, 500x700, 1 w/ Safe
7. Visitor's Chair
8. Low Partition, 1800mm high
9. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component
Transaction windows & counters - Patient transaction business at the counters not inside the billing & Claims Office	

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **HUMAN RESOURCE DEVELOPMENT OFFICE**	Reference Sheet Number: **AD-RDS-10A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Prepares comprehensive manpower development program from selection to separation.	Computer	3	
	Printer with scanner	1	
b. Maintains and ensures the confidentiality of personnel records.	Printer for payroll	1	
c. Prepares payroll and other personnel records per employee.	Telephone	1	
d. Acts on personnel actions and transactions.	Intercom/PABX	1	
e. Acts as secretary of the hospital training committee, PSB and	Copier	1	
Accreditation committee.	Waste Bin w/ black or colorless lining	4	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Personnel Officer	Jr. Executive Chair	1	
2 Administrative Clerks	Chair, upright, stacking	2	
4 Applicants/Employees	Desk, 750x1800	1	
	Computer table	3	
	Steel filing cabinet, 500x700	5	
	Clerical chair	3	
	Cork/White board	1	
	Modular office partition 1.5m H		as planned
	Tape Recorder	1	as measured
	Wall mounted shelves with clear glass	2	
	Desk, 600x1200	1	
	Back Cabinet, 400x1800	1	
	Side Extension, 400x900	3	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Lobby within the administrative service office.	Window curtain rail	2	
	Outlet, 10A,2P,240V, duplex	13	grounding type, universal
	Outlet, DATA	1	wall mounted
	Outlet, 10A, 2P, 240V, single	2	for emergency light
	Smoke Detector	2	
	Airconditioning Unit	1	window/split type
	Telephone Outlet	1	desktop wall mounted
	Outlet 10A, 2P, 240V, single	1	for Emergency Light (EL)

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **HUMAN RESOURCE DEVELOPMENT OFFICE**	Reference Sheet Number: **AD-RDS-10B**

TECHNICAL DESIGN DATA:

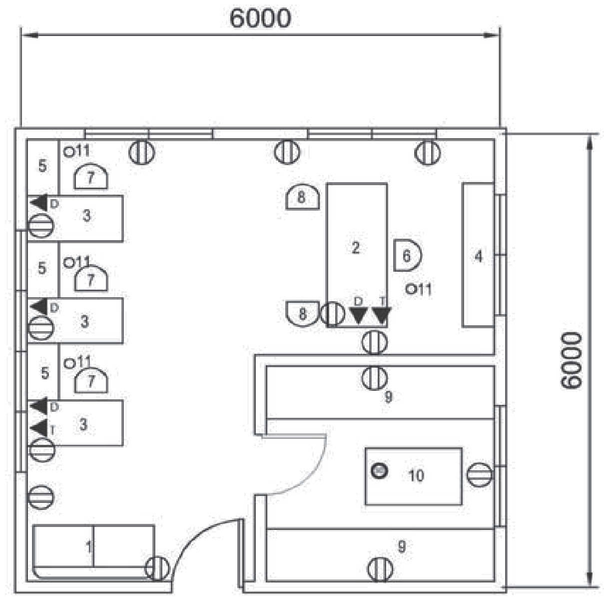
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessar
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessar
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessar
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessar
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessar
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	personnel staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **HUMAN RESOURCE DEVELOPMENT OFFICE**	Reference Sheet Number: **AD-RDS-10C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair acces
Windows	clear, solar control
	Tinted lead glass to outside
Internal glazing	Tinted / Lead

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. 2-Seater Sofa w/o arms, 700x1500
2. Desk, 750x1800
3. Desk, 600x1200
4. Back Cabinet, 400x1800
5. Side Extension, 400x900
6. Jr. Executive Chair
7. Clerical Chair
8. Chair, upright, stacking
9. Wall-mounted Shelves w/ clear glass
10. Desk, 750x1800
11. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **INTEGRATED HOSPITAL OPERATIONS & MANAGEMENT PROGRAM (IHOMP)**	Reference Sheet Number: **AD-RDS-11A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. System Administrator prepares program, enhance system, builds libraries of diseases, drugs and medicines, hospital staff, personnel directories of doctors, and specialists	Database Server	2	
	Computers	2	
	UPS (Uninterruptible Power Supply)	3	
	AVR (Automatic Voltage Regulator)	2	
	Printers	1	
	Airconditioning Unit	1 hp	stand-by ACU
	Electric Fan	1	
	Hub	1	
	Waste Bin w/ black or colorless lining	4	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Information Technologist	Desk, 600x1200	4	
1 x Computer Engineer	Desk return extension	4	
1 x Systems Administrator	Clerical Chair	4	
	Cabinet, 450x1500	1	
	Server Cabinet, 1000x1000	1	Fiberglass
	Ports	30	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Near or Adjacent to the Chief of Hospital's Office.	Window curtain rail	1	
b. Close to other executive offices (Administrative Service).	Outlet, telephone	1	
	Outlet, DATA	4	
	Outlet, 10A, 2P,240V, duplex	9	grounding type, universal
	Outlet, 10A, 2P, 240V, single	2	for emergency light
	Smoke Detector	1	
	Water Dispenser	1	
	Airconditioning Unit	1	
	Outlet 30A, 2P, 240V	1	window/split type
	Server		

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **IHOMP**	Reference Sheet Number: **AD-RDS-11B**

TECHNICAL DESIGN DATA:

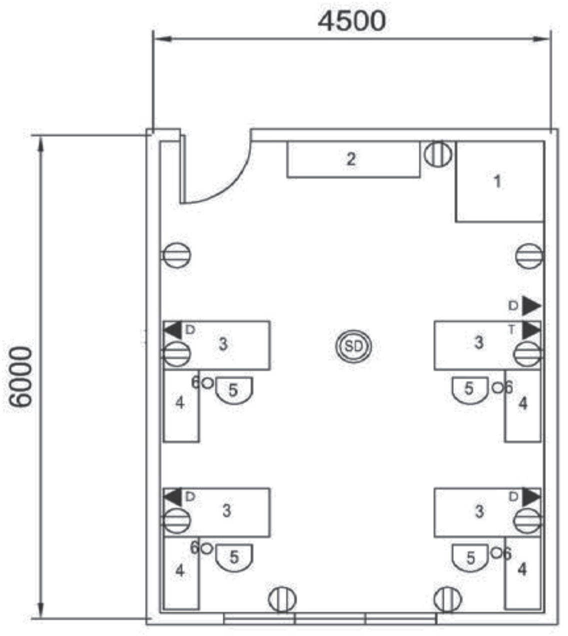
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE : unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.8		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	IHOMP Staff/ Visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **IHOMP**	Reference Sheet Number: **AD-RDS-11C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Server, 1000x1000
2. Cabinet, 450x1500
3. Desk, 600x1200
4. Desk Return (extension), 400x900
5. Clerical Chair
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **OFFICE OF THE CHIEF OF HOSPITAL**	Reference Sheet Number: **AD-RDS-12A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Chief of Hospital reads, writes and uses telephone in his desk.	Computer and printer	2	
b. Chief of Hospital receives visitors.	Refrigerator	1	
c. Chief of Hospital stores, files and retrieves records.	Fax Machine	1	
d. COH's secretary reads, writes and uses telepone in her desk.	Telephone	1	
e. COH's secretary receives visitors.	PABX (Private Automatic Branch Exchange)	1	
f. COH's secretary stores, files and retrieves records.	Waste Bin w/ black or		
g. Use of toilet facilities.	colorless lining	4	non-biodegradable
	green lining	1	biodegradable
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved:	3-Seater Sofa w/o arms, 750x1800	2	
1 x Chief of Hospital	Desk, 750x1500	1	
1 x Secretary	Desk, 900x1800	1	
2 x Visitors	Chair, upright, stacking	4	
	Side Table, 500x750	1	
	Side Table, 750x750	1	
	Book shelves (back cabinet), 300x900	1	with clear glass cover
	Desk Return Extension, 400x900	1	
	Desk Return Extension, 400x1200	1	
	Whiteboard/Glassboard	1	
	Senior Executive Chair	1	
	Clerical Chair	1	
	Visitor's Chair	2	
	3 -Seater Sofa	1	
	Conference Table, 1200 dia.	1	
	Conference Chair	5	
	Dining Table, 750x1500	1	
	Dining Chair	6	
	Sink-in-counter, cabinets below	1	
	Water Closet w/ spray hose	1	
	Urinal	1	
	Lavatory	1	
	Sink w/ drainboard	1	
	Concealed Floor Drain	1	
	Floor Strainer	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to the office of the Administrative Officer.	Window curtain rail	2	
b. Close to Conference Room.	Outlet, telephone	2	desktop
c. Close to Business and Finance.	Outlet, DATA	2	Wall-mounted
	Outlet, 10A, 2P, 240V, duplex	20	grounding type, universal
	Outlet, 15A, 2P, 240V, single	1	grounding type, universal
	Smoke Detector	3	
	Outlet for computer	1	T & B
	Airconditioning Unit	1	window/split type
	Water Heater 6 KW	1	
	Outlet, 10A, 2P, 240V, single	3	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **OFFICE OF THE CHIEF OF HOSPITAL**	Reference Sheet Number: **AD-RDS-12B**

TECHNICAL DESIGN DATA:

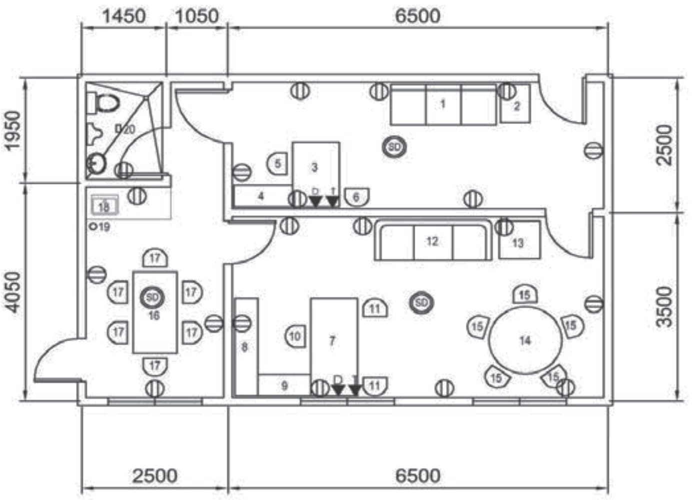
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	3.6		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	COH, hospital staff & visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **OFFICE OF THE CHIEF OF HOSPITAL**	Reference Sheet Number: **AD-RDS-12C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at lavatory
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy control
Internal Glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. 3-Seater Sofa w/o arms, 750x1800
2. Side Table, 500x750
3. Desk, 750x1200
4. Desk Return (extension), 400x900
5. Clerical Chair
6. Chair, upright, stacking
7. Desk, 900x1800
8. Back Cabinet, 400x1800
9. Desk Return (extension), 400x1200
10. Senior Executive Chair
11. Visitor's Chair
12. 3-Seater Sofa w/ arms
13. Side Table, 750x750
14. Conference Table, 1200 dia.
15. Conference Chair
16. Dining Table, 750x1500
17. Dining Chair
18. Sink-in-counter, cabinets below
19. Concealed Floor Drain
20. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq.m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **AD-RDS-13A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	**EQUIPMENT AND ACCESSORY CHECKLIST**	**QUANTITY**	**REMARKS**
a. Hospital Staff/Hospital Services Personnel and Visitors hold meetings and special lectures.	White Board, 1200x2400 wall mounted glass board	1	on ball casters
	LCD (Liquid-Crystal Display)	1	
	Screen	1	
	Opaque Projector	1	
	Microphone	1	
	Sound System	1 set	
	Voice Recorder	1	
	Water Dispenser	1	
	Waste Bin w/ black or colorless lining	2	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Hospital Staff	Swivel chairs	11	
Hospital Services Personnel	Table, 750x1500	4	
Visitors	Conference Table, 750x1700	2	
	Cabinet, 400x1800	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Office of the Chief of Hosiptal.	Window curtain rail	2	
b. Close to Office of the Administrative Officer.	Outlet, 10A, 2P, 240V, duplex	10	grounding type, universal
c. Close to Office of the Chief Nurse.			
d. Close to the Office of the Chief of Clinics.	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, DATA	1	wall-mounted
	Outlets for laptop	6	ground-type
	Smoke detector	1	
	Outlet, telephone	1	desktop

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **AD-RDS-13B**

TECHNICAL DESIGN DATA:

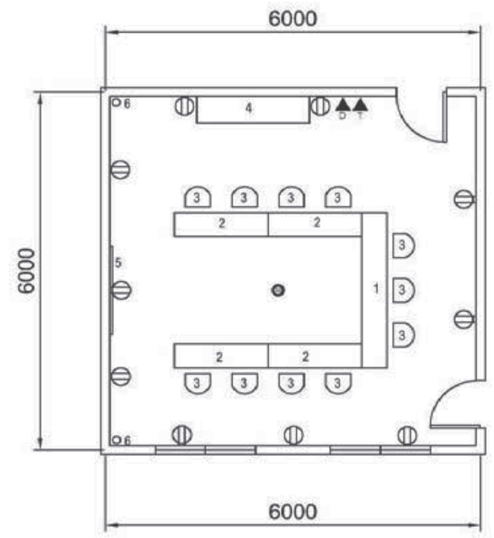
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR			
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
%Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	70	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	5		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Hospital staff, clients and visitors
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **AD-RDS-13C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair acces
Windows	clear, solar control/privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Conference Table, 500x2600
2. Conference Table, 500x1500
3. Swivel Chair on ball casters
4. Cabinet, 400x1800
5. Whiteboard, 1200x2400
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **OFFICE OF THE ADMINISTRATIVE OFFICER**	Reference Sheet Number: **AD-RDS-14A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Administrative Officer reads, writes and uses telephone in his work station.
b. Administrative Officer receives visitors.
c. Administrative Officer plans, directs, controls and organizes workplace system.
d. Clerk acts as secretary, prepares plans and schedule of CAO.
e. Clerk stores, files, and retrieves records.
f. Clerk updates records.
g. Use toilet facilities.

People Involved:

1 x Hospital Administrative Officer
1 x Clerk
Visitor/s

Planning Relationships:

a. Adjacent to Business and Finance Office.
b. Close to Office of the Chief of Hospital.
c. Close to Human Resource Development & Property and Supply.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Computer	1	
Personal computer	1	
Printer with scanner	1	
Calculating machine	1	
Telephone/Intercom	1	
PABX	1	
Airconditioning Unit	1	
Electric Fan	1	
Waste Bin w/ black or colorless lining	2	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Junior Executive Chair	1	
Desk, 900x1500	1	
Desk Return (extension), 900x1800	1	
Visitor's Chair	2	
2-Seater Sofa, 700x1200	1	
Cantilevered Cabinet, 300x1200	1	
Water Closet w/ spray hose	1	
Lavatory	1	
Floor Strainer	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, telephone	1	Desk Top
Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal
Outlet, 15A, 2P, 240V, single	1	grounding type, universal
Outlet, DATA	1	wall-mounted
Smoke detector	1	
Airconditioning Unit	1	Window Type/Split Type
Water Heater	1	T & B
Outlet, 10A, 2P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **OFFICE OF THE ADMINISTRATIVE OFFICER**	Reference Sheet Number: **AD-RDS-14B**

TECHNICAL DESIGN DATA:

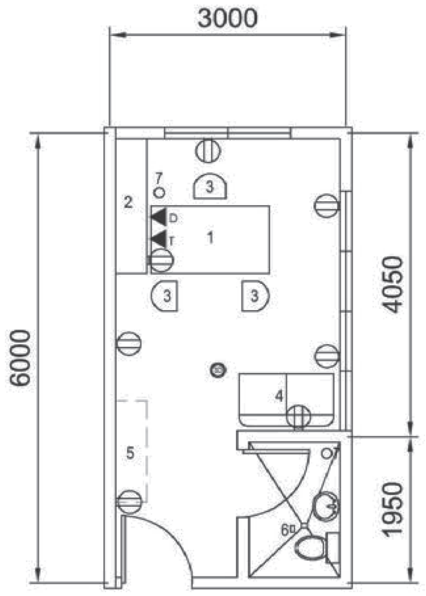
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%- 99%@ 1 micron	Privacy	essential: DESIRABLE: unnecessay
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	Administrative Officer, hospital staff and visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **OFFICE OF THE ADMINISTRATIVE OFFICER**	Reference Sheet Number: **AD-RDS-14C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at lavatory
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures & toilet floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRAB:E: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy
Internal Glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 900x1500
2. Desk Return (extension), 900x1800
3. Junior Executive Chair
4. 2-Seater Sofa, 700x1200
5. Cantilevered Cabinet, 300x1200
6. Floor Strainer
7. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component
The Administrative Service conducts weekly meetings with the Section Heads	

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **OFFICE OF THE CHIEF of CLINICS**	Reference Sheet Number: **AD-RDS-15A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Chief of Clinics reads and writes in his work station.	Computer	1	
b. Chief of Clinics receives visitors.	Personal Computer	1	
c. Chief of Clinics stores, files, and retrieves records.	Printer w/ Scanner	1	
d. Clerk receives visitors.	Airconditioning Unit	1	
e. Clerk stores, files, and retrieves records.	Telephone/Intercom	1	
f. Clerk updates records. g. Use of toilet facilities.	Waste Bin w/ black or colorless lining	3	

People Involved:	FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
1x Chief of Clinics	Junior Executive Chair	1	
1x Clerk	Desk, 900x1500	1	
Visitors	Back Cabinet, 400x1500	1	
	Clerical Chair	1	
	Visitor's Chair	3	
	Partition, 1800mm high Desk, 600x900	1	
	Water Closet w/ spray hose	1	
	Lavatory	1	
	Floor Strainer	1	

Planning Relationships:	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
a. Close to the office of the Chief of Hospital.	Window curtain rail	1	
	Outlet, 10A, 2P, 240V, duplex	6	grounding type universal slots
	Outlet , 10A, 2P, 240V, single	1	for emergency light
	Outlet, DATA	2	
	Outlet, telephone	2	
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **CHIEF of CLINICS OFFICE**	Reference Sheet Number: **AD-RDS-15B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential:DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAl: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	COC, hospital staff & visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **OFFICE OF THE CHIEF OF CLINICS**	Reference Sheet Number: **AD-RDS-15C**

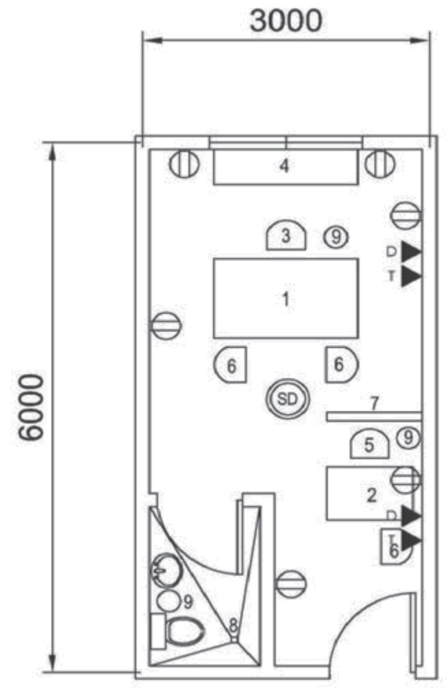
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at lavatory
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures & toilet floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	N/A
Foot traffic	LIGHT:medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control/ privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1.Desk, 900x1500
2. Desk, 600x900
3. Junior Executive Chair
4. Back Cabinet, 300x900
5. Clerical Chair
6. Visitor's Chair
7. Low Partition, 1800mm high
8. Floor Strainer
9. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **OFFICE OF THE CHIEF NURSE AND NURSING OFFICE**	Reference Sheet Number: **AD-RDS-16A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Chief Nurse reads, writes, and uses telephone in his work station.
b. Chief Nurse receives visitors.
c. Chief Nurse stores, files, and retrieves records.
d. Clerk receives visitors.
e. Clerk stores, files, and retrieves records.
f. Clerk updates records.
g. Use of toilet facilities.

People Involved:

1x Chief Nurse
1x Clerk
Visitors

Planning Relationships:

a. Close to the office of the Chief of Hospital

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Computer	1	
Calculating machine	1	
Whiteboard/Glassboard	1	
Low Partition, 1800mm high	1	
Waste Bin w/ black and colorless lining	5	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Junior Executive Chair	3	
Desk, 750x1500	3	
Desk, 600x1200	2	
Book shelves, 300x900	1	
Desk Return (extension), 400x900	2	
Clerical Chair	2	
Visitor's Chair	1	
2-Seater Sofa, w/o arms, 700x1500	1	
Water Closet w/ spray hose	1	
Lavatory	1	
Urinal	1	
Floor Strainer	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, 10A, 2P, 240V, duplex	10	grounding type universal
Outlet , 10A, 2P, 240V, single	1	for emergency light
Outlet, DATA	5	wall-mounted
Outlet, telephone	2	Desktop
Airconditioning Unit	1	Window /Split Type
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **OFFICE OF THE CHIEF NURSE**	Reference Sheet Number: **AD-RDS-16B**

TECHNICAL DESIGN DATA:

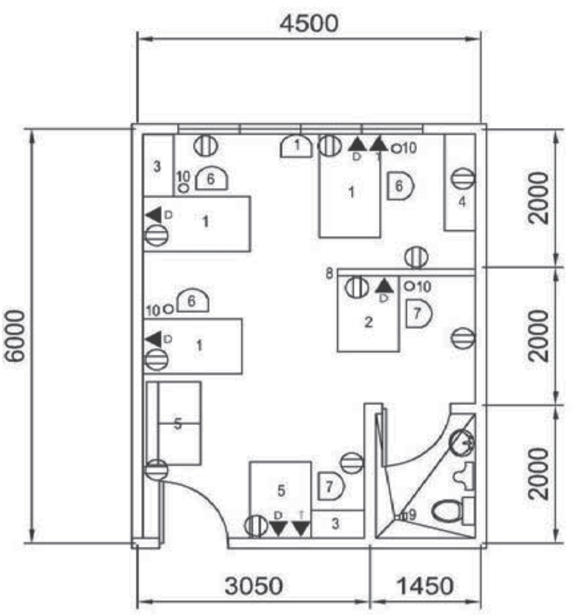
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400-500
Room temperature (deg. C)	50	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential:DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.8		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAl: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	CN, hospital staff & visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **OFFICE OF THE CHIEF NURSE**	Reference Sheet Number: **AD-RDS-16C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at lavatory
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures & toilet floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT:medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control/ privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1.Desk, 750x1500
2. Desk, 600x1200
3. Desk Return (extension), 400x900
4. Bookshelves, 300x900
5. 2-Seater Sofa w/o arms, 700x1500
6. Junior Executive Chair
7. Clerical Chair
8. Low Partition, 18mm high
9. Floor Strainer
10. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **LOUNGE**	Reference Sheet Number: **AD-RDS-17A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Hospital Administrative Staff makes use of the pantry.
b. Hospital Administrative Staff do clean-up activities.

People Involved:

Male and Female Employees

Planning Relationships:

a. Accessible to Administrative Offices.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Refrigerator	1	
Sink-in-counter, w/ drainboard	1	
Airconditioning Unit	1	
Waste Bin w/ black and colorless lining	1	non-biodegradable
Waste Bin w/ green lining	1	biodegradable

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Dining Chair	4	
Dining Table, 900x1500	1	
Cupboard (wall mounted)	1	
Sink w/ drainboard	1	
Concealed Floor Drain	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, 10A, 2P, 240V, duplex	8	grounding type universal
Outlet , 10A, 2P, 240V, single	1	for emergency light
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **LOUNGE**	Reference Sheet Number: **AD-RDS-17B**

TECHNICAL DESIGN DATA:

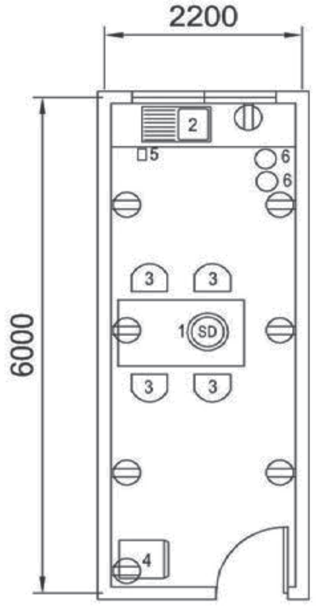
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400-500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential:DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	Administrative Staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE**	Room Title: **LOUNGE**	Reference Sheet Number: **AD-RDS-17C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: occasional: FREQUENT
Foot traffic	light: medium: HEAVY
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	wheelchair access door
Windows	clear, solar control, privacy
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Dining Table, 900x1500
2. Sink-in-counter, w/ drainboard
3. Dining Chair
4. Refrigerator
5. Concealed Floor Drain
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE (EXECUTIVE)**	Room Title: **TOILETS FOR MALE AND FEMALE STAFF**	Reference Sheet Number: **AD-RDS-19A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Hospital administrative staff make use of personnel toilet facilities.
b. Janitorial services do clean-up activities.

People Involved:

Male and Female Employees

Planning Relationships:

a. Accessible to all Administrative Offices.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Exhaust Fan	2	
Waste Bin w/ black or colorless lining	2	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Water closet w/ spray hose	5	
Lavatory	5	
Urinal	2	
Slop sink w/ faucet	2	
Floor Strainer	10	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 1P, 240V, single	2	for emergency light
Heat Detector	2	
Outlet 10A, 2P, 240V, duplex	6	Weatherproof
Outlet 20A, 2P, 240V	2	T & B

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE (EXECUTIVE)**	Room Title: **TOILETS FOR MALE AND FEMALE STAFF**	Reference Sheet Number: **AD-RDS-19B**

TECHNICAL DESIGN DATA:

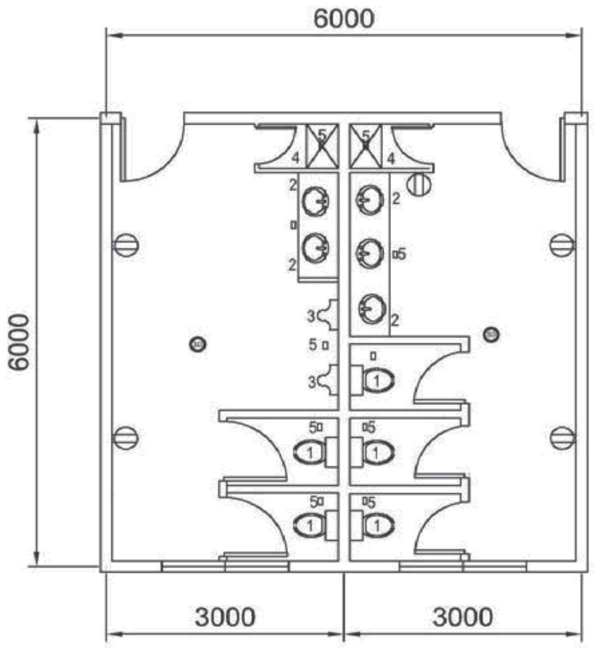
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	85	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	male & female administrative staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ADMINISTRATIVE (EXECUTIVE)**	Room Title: **TOILETS FOR MALE AND FEMALE STAFF**	Reference Sheet Number: **AD-RDS-19C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures & floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	wheelchair access door
Windows	clear, solar control, privacy
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Water closet w/ spray hose
2. Lavatory
3. Urinal
4. Slop sink
5. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

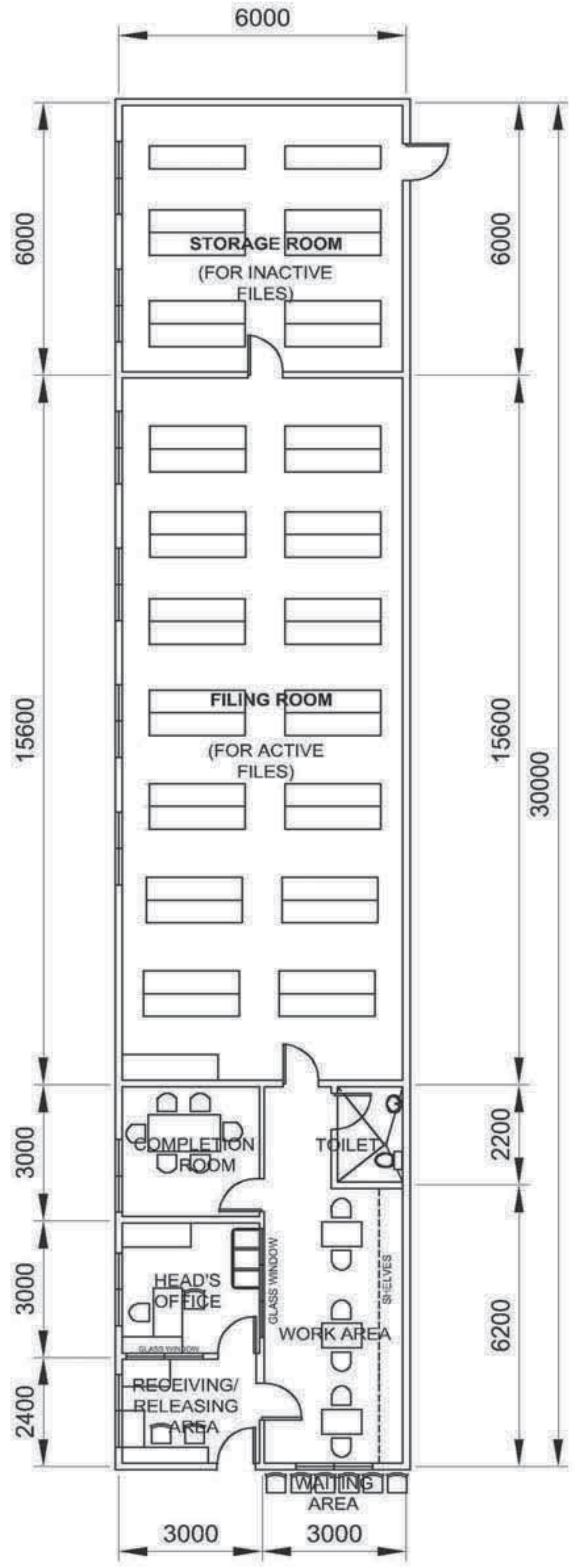
REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	SERVICE FACILITY SHEET INDEX	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Service Facility Title: **ADMINISTRATIVE**	Reference Sheet Number: **AD-SFSI-02**

ROOM TITLE	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
HEALTH INFORMATION MANAGEMENT SYSTEMS		**173.7**		
RECEIVING/RELEASING AND WAITING AREA	7.5		**HIMS-RDS-01**	**107**
WORK AREA	18.6		**HIMS-RDS-02**	**110**
COMPLETION ROOM	9		**HIMS-RDS-03**	**113**
HEAD'S OFFICE	9		**HIMS-RDS-04**	**116**
FILING ROOM	93.6		**HIMS-RDS-05**	**119**
STORAGE ROOM	36		**HIMS-RDS-06**	**122**

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS (HIMS)**	Reference Sheet Number: **HIMS-DDS-01C**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **RECEIVING/RELEASING AND WAITING AREA**	Reference Sheet Number: **HIMS-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Receiving and issuance of medical/medico legal certificates, birth and death certificates.	Computer	1	w/ printer and scanner
	Calculator	1	
	Photocopier	1	
	Emergency light	1	
	Queing Number	1	
	Electrical Typewriter	1	
	Waste Bin w/ black or colorless lining	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
2 x HIMS Clerks			
Client/Visitors	Transaction Counter		
	Steel Filing Cabinet		
	Counter Chair, standard		
	Cabinet, 900x1500		
	Gang-type waiting chairs		
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to the Administrative Department.	Window curtain rail	2	
b. Accessible to the Outpatient Department.	Outlet, 10A, 2P, 240V, duplex	8	grounding type, universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **RECEIVING/RELEASING AND WAITING AREA**	Reference Sheet Number: **HIMS-RDS-01B**

TECHNICAL DESIGN DATA:

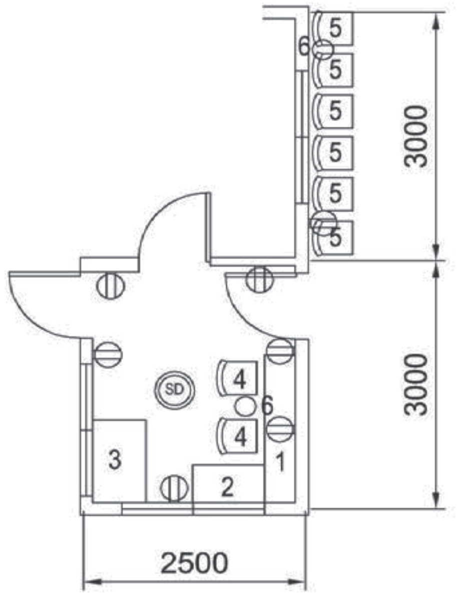
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	70	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	5		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	HIMS staff, clients and visitors
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **RECEIVING/RELEASING AND WAITING AREA**	Reference Sheet Number: **HIMS-RDS-01C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	wheelchair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Transaction Counter, 900mm high, open below
2. Steel Filing Cabinet, 500x700
3. Cabinet, 900x1500
4. Counter Chair, standard
5. Gang-type Waiting Chair
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **WORK AREA**	Reference Sheet Number: **HIMS-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. HIMS staff and other authorized users conduct medical studies, read, write and retrieve records.	Computer	1	w/ printer and scanner
b. Processing and filing of OPD, ER and OR records.	Calculator	1	
c. Transcripption of birth and death certificates.	Photocopier	1	
d. HIMS staff assembles/inputs inpatient charts and updates death registry.	Emergency light	1	
	FAX Machine	1	
	LCD	1	optional
	PA and BGM air sanitizer		
	UPS and AVR	1	
	Risograph Machine		
	Shredder		
	Airconditioning Unit	1	
	Waste Bin w/ black or colorless lining		
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Statistician	Counter, 900mm high, cabinets and shelves below		
1 x Data Controller			
Researchers/Doctors	Desk, 600x1200	3	
	Clerical Chair	6	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to the Administrative Department.	Window curtain rail	2	
b. Accessible to the Outpatient Department.	Outlet, 10A, 2P, 240V, duplex	6	grounding type, universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, telephone	1	
	Smoke Detector	1	
	Outlet, airconditioning unit		window/split type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **WORK AREA**	Reference Sheet Number: **HIMS-RDS-02B**

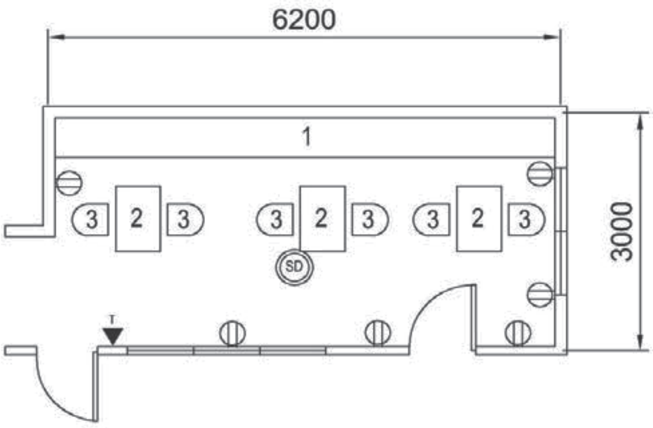
TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	70	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	researchers/doctors and HIMS staff
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **WORK AREA**	Reference Sheet Number: **HIMS-RDS-02C**

TECHNICAL DESIGN DATA:	
DIRECT SERVICES	**DESIGN DATA**
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Counter, 900mm high, cabinets and shelves below
2. Desk, 600x1200
3. Clerical Chair

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **COMPLETION ROOM**	Reference Sheet Number: **HIMS-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Researchers/Doctors and other authorized users discuss and finalize pertinent papers/documents related to medical records as requested by patients/relatives. b. HIM officer assists researchers/doctors by providing data on specific research topics. c. Researchers/Doctors protect confidentiality of medical records.	Computer White board, 1200x2400 Airconditioner Waste Bin w/ black or colorless lining	1 1 1 1	w/ printer and scanner window-type
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Researchers/Doctors 1 x HIM Officer (Administrative Officer V) 1 x Clinical Coder (A.O. IV)	Conference Table, 750x1500 Revolving Chair	1 6	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to the Administrative Department. b. Accessible to the Outpatient Department.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Outlet, telephone Smoke Detector Outlet, airconditioning unit Outlet, DATA	1 4 1 1 1 1 1	 grounding type, universal for emergency light window/split type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **COMPLETION ROOM**	Reference Sheet Number: **HIMS-RDS-03B**

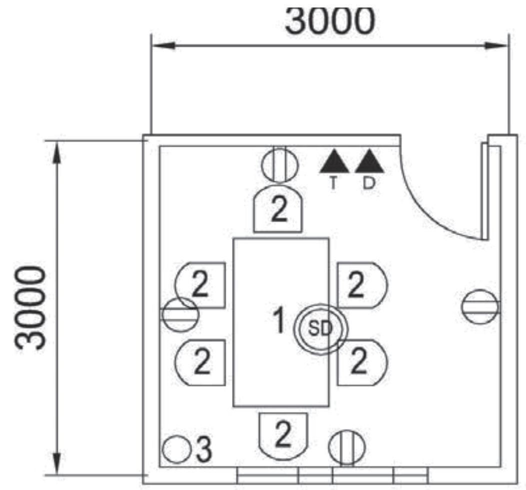
TECHNICAL DESIGN DATA:			
ENVIRONMENTAL CONDITIONS	**DESIGN DATA**	**ENVIRONMENTAL CONDITIONS**	**DESIGN DATA**
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.6		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	researchers/doctors, medical records staff & authorized users
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **COMPLETION ROOM**	Reference Sheet Number: **HIMS-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:
1. Conference Table, 750x1500
2. Revolving Chairs, standard
3. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **HEAD'S OFFICE**	Reference Sheet Number: **HIMS-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Health Information Management Officer reads, transcribes and updates the disease and operation coding and indexing. b. HIM Officer prepares communications and other pertinent papers related to medical records as requested by patients. c. HIMS Officer protects confidentiality of medical records. d. HIM Officer performs statistical and other reports required by DOH and other institutions. e. HIM Officer performs qualitative and quantitative analysis of hospital health records.	Computer	1	w/ printer and scanner
	Intercom	1	
	Calculating machine	1	
	Airconditioner	1	window-type
	Telephone line		
	Waste Bin w/ black or colorless lining	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Administrative Officer V Researchers Visitors/Clients	Desk, 600x1200	1	
	Desk Return (extension)	1	
	2-Seater Sofa, 750x1200	1	
	Executive Swivel Chair	1	
	Visitor's Chair	1	
	Cabinet w/ lock	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to the Administrative Department. b. Accessible to the Outpatient Department.	Window curtain rail	3	
	Outlet, 10A, 2P, 240V, duplex	5	grounding type, universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, DATA	1	
	Smoke Detector	1	
	Outlet, airconditioning unit	1	window/split type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **HEAD'S OFFICE**	Reference Sheet Number: **HIMS-RDS-04B**

TECHNICAL DESIGN DATA:

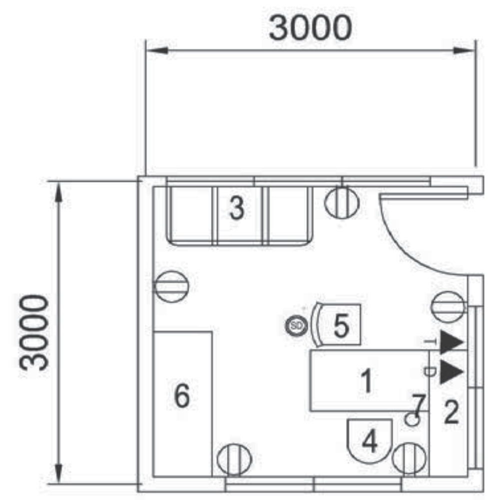
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.6		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical records staff & authorized users
		Fire risk	low: medium: HIGH
		Other risks	possible termite infestation

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **HEAD'S OFFICE**	Reference Sheet Number: **HIMS-RDS-04C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	wheelchair access
Windows	clear, solar control,privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1200
2. Desk Return (extension)
3. 2-Seater Sofa, 750x1200
4. Executive Swivel Chair
5. Visitor's Chair
6. Cabinet w/ lock
7. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **FILING ROOM**	Reference Sheet Number: **HIMS-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. HIMS Staff stores/files OPD, ER,and OR/DR records and birth and death certificates for easy access.	Exhaust Fan	1	
b. HIM staff retrieves records on file for request/follow-up of patients/relatives and researchers/doctors and refiles them.	Computer	1	w/ printer and scanner
c. HIMS staff records individual charts by patient's data for complete iventory control.	Emergency lights	2	
	PA and BGM air sanitizer		
	Fire Extinguisher	4	
	Calculator	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Health Information Management Systems (HIMS) Staff	Steel, open shelving	28	7 shelves high
Researchers/Doctors	Transaction Counter	1	
	Aluminum or wooden movable ladder	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Clerical Room.	Window curtain rail	5	
	Outlet, 10A, 2P, 240V, duplex	8	grounding type, universal
	Outlet, 10A, 2P, 240V, single	2	for emergency light
	Water sprinkler	3	
	Smoke Detector	3	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **FILING ROOM**	Reference Sheet Number: **HIMS-RDS-05B**

TECHNICAL DESIGN DATA:

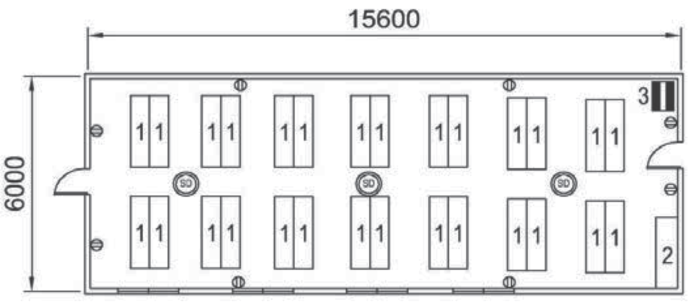
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	authorized HIMS staff
		Fire risk	low: medium: HIGH
		Other risks	termites infestation

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **FILING ROOM**	Reference Sheet Number: **HIMS-RDS-05C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:
1. Steel, open shelving, 7 shelves high
2. Transaction Counter, 900mm high, open below
3. Aluminum or wooden movable ladder

Note:
Provide 1 mtr. clear distance from ceiling to the topmost shelves.

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **STORAGE ROOM**	Reference Sheet Number: **HIMS-RDS-06A**

Updated Reference: **MAY 2014**

This activity space provides facilities needed for the following activities:

a. Storage of inactive files that have passed the ten or thirty-year filing.
b. Storage of files to ensure protection from fire, flood and theft.
c. Periodic evaluation of inactive health records/files.
d. To keep medical records accessible as many years as possible.

People Involved:

Health Information Management Systems (HIMS) Staff

Planning Relationships:

a. Adjacent to Filing Room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Exhaust Fan	2	
Emergency lights	1	
PA and BGM air sanitizer		
Fire Extinguisher	2	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Steel, open shelving	10	
Aluminum or wooden movable ladder	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal
Outlet, 10A, 2P, 240V, single	2	for emergency light
Water sprinkler	1	
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **STORAGE ROOM**	Reference Sheet Number: **HIMS-RDS-06B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	authorized HIMS staff
		Fire risk	low: medium: HIGH
		Other risks	rodents and termites infestation, moisture

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **HEALTH INFORMATION MANAGEMENT SYSTEMS**	Room Title: **STORAGE ROOM**	Reference Sheet Number: **HIMS-RDS-06C**

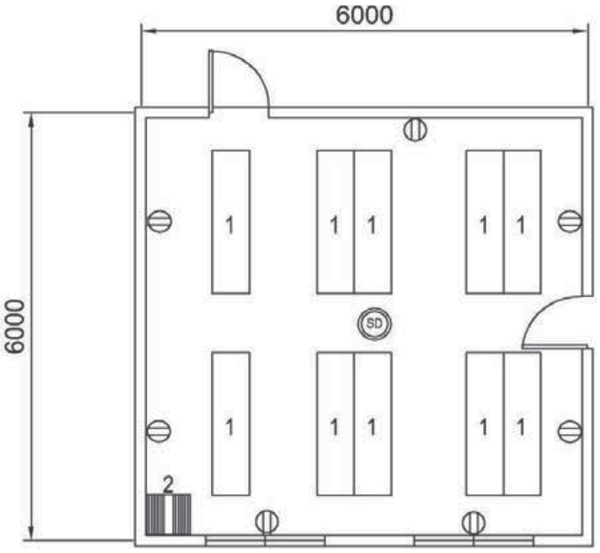
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:
1. Steel, open shelving, 7 shelves high
2. Aluminum or wooden movable ladder

Note:
Provide 1 mtr. Clear distance ceiling to the topmost shelves

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

VOLUME 3

STANDARD PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

3.2 EMERGENCY SERVICE FACILITIES

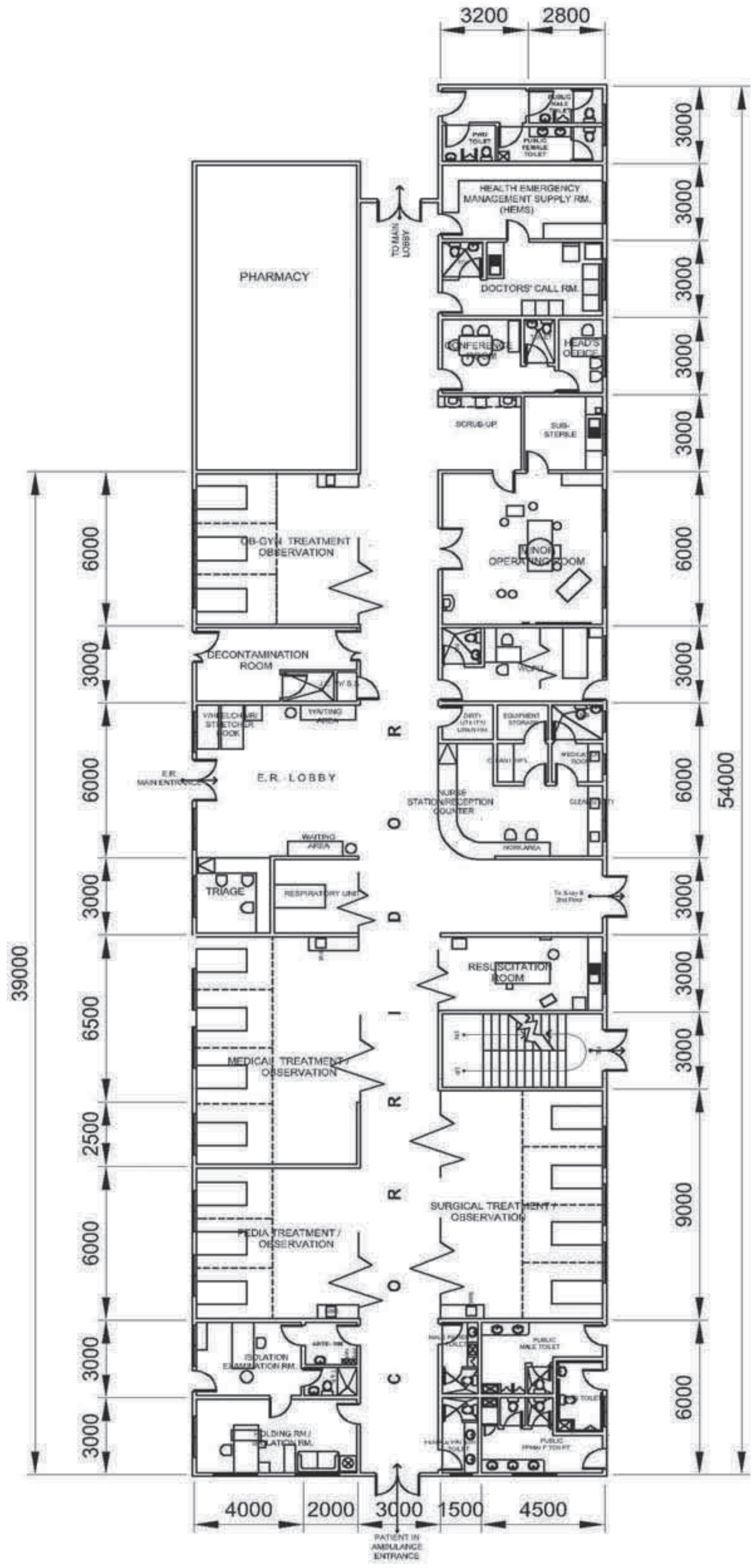
Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Hospital: 100-Bed (Level 2)	SERVICE FACILITY SHEET INDEX	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Service Facility Title: **EMERGENCY**	Reference Sheet Number: **ER-SFSI-02**

ROOM TITLE	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
EMERGENCY		**513.45**		
LOBBY AND TRIAGE	54		**ER-RDS-01**	**129**
NURSE STATION	36		**ER-RDS-02**	**132**
WOMEN & CHILDREN PROTECTION UNIT (WCPU)	18		**ER-RDS-03**	**135**
RESPIRATORY UNIT	9.45		**ER-RDS-04**	**138**
TREATMENT CUBICLE (RESUSCITATION)	18		**ER-RDS-05**	**141**
TREATMENT CUBICLE (PEDIATRICS)	36		**ER-RDS-06**	**144**
TREATMENT CUBICLE (OB-GYN)	36		**ER-RDS-07**	**147**
TREATMENT CUBICLE (MEDICAL)	54		**ER-RDS-08**	**150**
TREATMENT CUBICLE (SURGICAL)	54		**ER-RDS-09**	**153**
SCRUB-UP/SUB-STERILE	18		**ER-RDS-10**	**156**
MINOR OPERATING ROOM	36		**ER-RDS-11**	**159**
HEALTH EMERGENCY MANAGEMENT SUPPLY (HEMS)	18		**ER-RDS-12**	**162**
DOCTORS' CALL ROOM	18		**ER-RDS-13**	**165**
DEPARTMENT HEAD'S OFFICE	18		**ER-RDS-14**	**168**
ISOLATION ROOM	36		**ER-RDS-15**	**171**
DECONTAMINATION ROOM	18		**ER-RDS-16**	**174**
PATIENT/PUBLIC TOILET FACILITIES	36		**ER-RDS-17**	**177**

Hospital: 100-Bed (Level 2)	D E P A R T M E N T D A T A S H E E T	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Reference Sheet Number: **ER-DDS-01**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **LOBBY & TRIAGE**	Reference Sheet Number: **ER-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activites:

a. Patient may arrive on foot.
b. Patient may arrive in a wheelchair/stretcher.
c. Patients arriving at ER are evaluated at the counter (triage).
d. Patients await their turns to be interviewed and their cases be assessed at the triage.
e. Transfer of patient to/from stretcher trolley or wheelchair to examining table.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Sphygmomanometer/Stethosc	1	
ope for pedia/adult	1	
Computer	1	with height meter
Adult scale/Pediatric scale	1	
Wheelchair	2	
Stretcher	1	
Spine board	1	
Printer	1	
Fire extinguisher	1	
Thermometer, digital	1	
Waste bins w/ black lining	3	

People Involved:

1 x Medical Doctor
1 x Nurse
1 x Nursing Attendant
2 x Clerks

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Adjustable stool		
Counter, open below		
Counter, shelves below		
Counter, cabinets below		
Computer table, 400x800		
Chair, upright, stacking		

Planning Relationships:

a. Adjacent to OPD Waiting Area.
B. Close to entrance to OPD.
c. Close to the Office of the OPD chief.
d. Close to Consultation Rooms.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex	8	grounding type,
Outlet, 10A, 2P, 240V, single		universal
Outlet, DATA	8	for emergency outlet
Paging system	1	
Smoke Detector	1	
	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **LOBBY AND TRIAGE**	Reference Sheet Number: **ER-RDS-01B**

TECHNICAL DESIGN DATA:

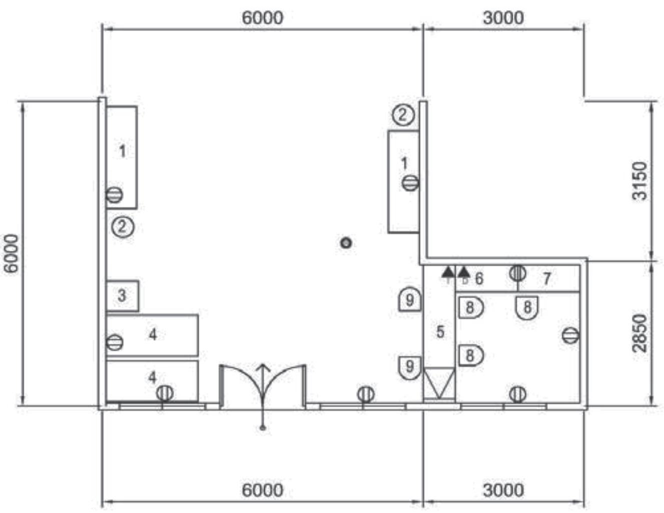
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	ER staff, patients and visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **LOBBY AND TRIAGE**	Reference Sheet Number: **ER-RDS-01C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	bed, stretcher trolley, wheel chair access
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Bench
2. Waste Bin
3. Wheelchair
4. Stretcher/Trolley
5. Triage Counter, open below
6. Counter, 900mm high, cabinets below
7. Computer table
8. Swivel Chair
9. Chair, upright, stacking

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **NURSE STATION**	Reference Sheet Number: **ER-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Nurse receives patient.
b. Nurse makes inquiries and records necessary information from/about patients rushed to E.R.
c. Nurse performs other medical monitoring activities.
d. Physicians aided by nurses and nursing attendants, monitors and performs diagnostic activities and administers proper treatment to patient rushed to E.R

People Involved:

1 x Nurse
1 x Nursing Attendant

Planning Relationships:

a. Close to Emergency entrance.
b. Adjacent to Treatment and Minor Operating Room

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Instrument sterilizer	1	
Waste bin w/ yellow lining	3	
E-cart	3	
Lockers for the staff	4	
Filing cabinet	1	
Cabinet for dangerous	1	
medicines	1	
Telephone	2	
Electric fan	2	
Exhaust fan	1	
ECG machine	1 set	
GENT diagnostic set	1	
Weighing scale	1	
Defibrillator	1	
Ambu bag - (adult/pedia)	1	
Suction machine	1	
Puncture-proof container		

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Swivel Chair w/ casters	1	
Counter, open below	1	
Counter, shelves below	1	
Counter, cabinets below	3	
Wall-hung cabinets	2	
Storage shelves	1	
Lockers	1	
Airconditioner	1	
Glass board/whiteboard	1	
Sink w/ gooseneck spout and foot control	1	
Water closet w/ spray hose	1	
Lavatory	1	
Floor Strainer	3	
Sink-in counter	2	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	11	grounding type, universal
Outlet, 10A, 2P, 240V, single	4	for emergency light
Outlet, telephone	1	
Outlet, DATA	1	
Paging system	1	
Smoke Detector	1	
Water Heater, 3.5 kw	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **NURSE STATION**	Reference Sheet Number: **ER-RDS-02B**

TECHNICAL DESIGN DATA:

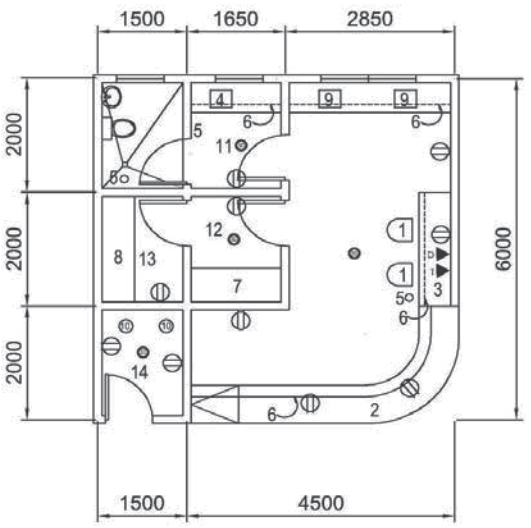
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	ESSENTIAL: desirable: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	
		Maximum temperature (deg. C)	at sink
		Access limit	nursing staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **NURSE STATION**	Reference Sheet Number: **ER-RDS-02C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	slight: OCCASIONAL: frequent
Abrasion	slight: OCCASIONAL: frequent
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Swivel chair w/ casters
2. Counter, open below
3. Counter, cabinets below
4. Lavatory w/ gooseneck spout
5. Waste Bin
6. Wall Cabinet
7. Shelves
8. Storage shelves, 600mm deep
9. Sink in counter, cabinets below
10. Linen Hamper
11. Medication Room
12. Clean Linen Storage
13. Equipment Storage
14. Dirty Utility/Linen Room

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **WOMEN & CHILDREN PROTECTION UNIT**	Reference Sheet Number: **ER-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Social Worker/Family Physician makes inquiries and records necessary information from/about patients.
b. Patients await their turns to be interviewed and their cases be assessed.
c. Family Physician assists patient for medical check-up or refers to diagnostic service.

People Involved:

1 x Family Physician
1 x Nurse
1 x Social Worker
Patient
Companion

Planning Relationships:

a. Close to Triage and Nurse Station.
b. Adjacent to E.R. lobby.
C. Adjacent to OB-GYNE department.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
T.V.	1	
Telephone line	1	
Waste bin, w/ black or	1	
colorless lining	2	
Speculum set	1 set	
Panel curtain	1	
Examination light	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Swivel chair w/ casters	2	
Doctor's desk	1	
Wall-hung cabinets	1	
Storage shelves	1	
Mayo table	1	
Examination table	1	
File cabinet	1	
Chair, stacking	2	
Water closet w/ spray hose	1	
Lavatory	1	
Floor Strainer	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex	8	grounding type,
Outlet, 10A, 2P, 240V, single		universal
Outlet, intercom	1	for emergency lights
Paging system	1	
Outlet, DATA	1	
	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **WOMEN & CHILDREN PROTECTION UNIT**	Reference Sheet Number: **ER-RDS-03B**

TECHNICAL DESIGN DATA:

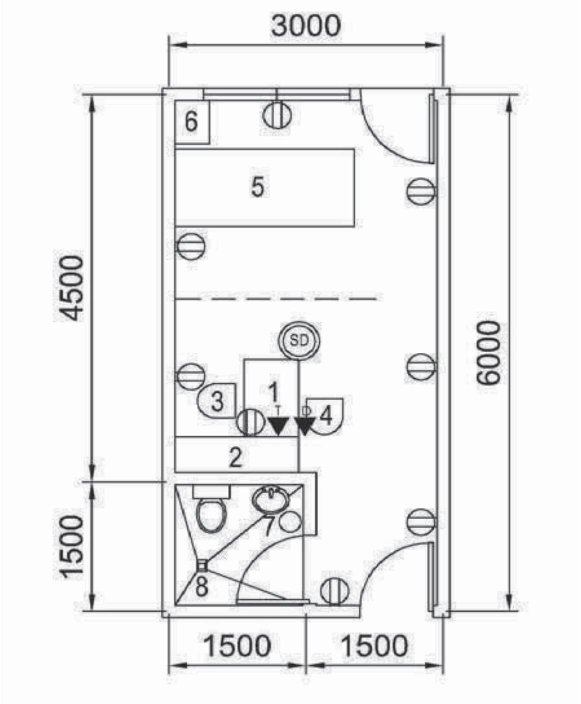
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	60	Accessible hot surface:	
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	
		Maximum temperature (deg. C)	70
		Access limit	E.R. staff, patients and companions
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **WOMEN & CHILDREN PROTECTION UNIT**	Reference Sheet Number: **ER-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at plumbing fixtures
Drainage	required at lavatory and toilet floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1000
2. Side Extension, 400x900
3. Clerical Chair
4. Visitor's Chair
5. Examining Bed
6. Side Table, 406x508
7. Waste Bin
8. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **RESPIRATORY UNIT**	Reference Sheet Number: **ER-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Ambulatory patient may arrive.
b. Patient may arrive on wheelchair/stretcher.
c. Patient is triaged and brought to the Respiratory Unit.
d. Holding area of patient prior to admission or referral for laboratory tests.
e. Collection of specimens by nasopharyngeal swab.

People Involved:

1 x Resident Physician
1 x Nurse
1 x Patient

Planning Relationships:

a. Close to emergency exit and accesible to the Nursing wards.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste bin w/ yellow lining	1	infectious
Bed	1	
Stethoscope	1	
Sphygmomanometer	1	
Thermometer, non-medical	1	
Nebulizer	1	
IV stand	1	
Suction machine	1	
Pulse oxymeter	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Examining Table/Bed	1	
Exhaust Fan	1	
Ceiling Fan	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	4	grounding type, universal
Smoke Detecto	1	
Outlet, 10A, 2P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **RESPIRATORY UNIT**	Reference Sheet Number: **ER-RDS-04B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	20,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.65		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	100
		Maximum temperature (deg. C)	70
		Access limit	ER staff, patients and companions
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **RESPIRATORY UNIT**	Reference Sheet Number: **ER-RDS-04C**

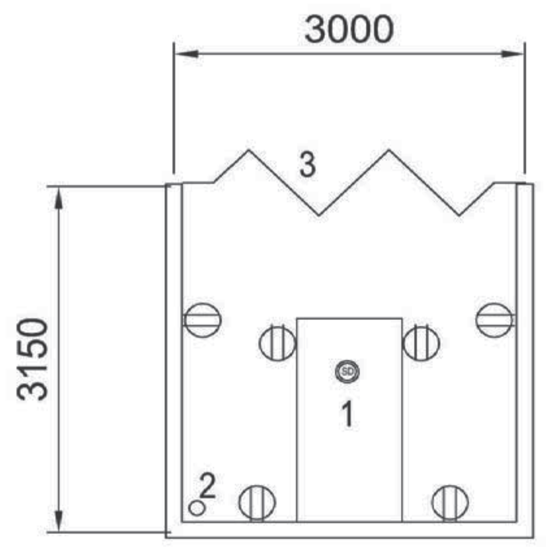
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas/Compressed Air	Medical Oxygen gas, 40lpm/bed @ 4bar; Medical Vacuum, 8olpm/bed @ 450mm Hg; Medical Air, 40lpm/bed @ 4bar
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	examining table,nstretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Examining Table/Bed
2. Waste Bin w/ yellow lining
3. Varifold Partition

SPACE DEMANDS (Total Minimum Space Required in sq.m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (RESUSCITATION)**	Reference Sheet Number: **ER-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activites:

a. Patient may arrive on foot.
b. Patient may arrive on wheelchair/stretcher.
c. Use of diagnostic equipment.

People Involved:

1 x Resident Physician
1 x Nurse
1 x Nursing Attendant
1 x Patient

Planning Relationships:

a. Close to Emergency suite entrance.
b. Adjacent to Nurse Station and Minor Operating Room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Defibrillator	1	
E-cart w/ complete emergency medicines	1	
ECG or cardiac monitor	1	
Pulse oxymeter	1	
Sphygmomanometer	1	
Stethoscope	1	
Thermometer, digital	1	
Suction machine/apparatus	1	
Cardiac board	1	
IV stand w/ IV fluid	1	
Laryngoscope w/ endotracheal tube	1	
Indwelling polycatheter	1	
Bag valve mask or respirator	1	
Nebulizer	1	
Glucometer	1	
Cervical Collar	1	
Weighing scale	1	
Examining table	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Footstool	1	
Examining table/bed	1	
Side table, 406x508	1	
Electric fan	1	
Sink w/ elbow or foot control	1	
Cubicle curtain rail	1	
Window curtain rail	1	
Concealed floor drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex	8	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke detector	1	
Outlet, DATA	1	
Outlet, airconditioner	1	
Outlet, telephone	1	
Outlets for various equipment		

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (RESUSCITATION)**	Reference Sheet Number: **ER-RDS-05B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	10,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (RESUSCITATION)**	Reference Sheet Number: **ER-RDS-05C**

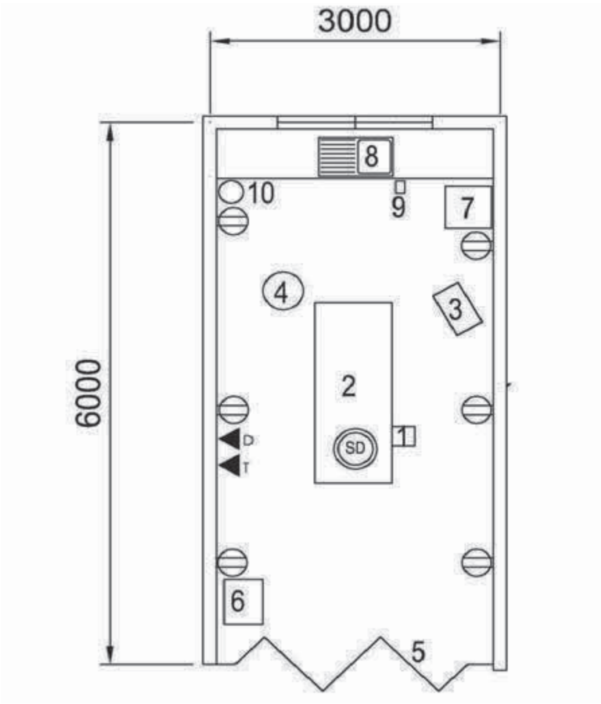
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	examining table, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Footstool
2. Examining table/bed
3. Instrument table
4. Examining light
5. Varifold Partition
6. Portable X-ray machine
7. Resuscitating apparatus
8. Sink in counter, 900mm high w/ cabinets below
9. Concealed floor drain
10. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (PEDIATRICS)**	Reference Sheet Number: **ER-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Ambulatory patient may arrive on foot.
b. Patient may arrive on wheelchair.
c. Use of diagnostic equipment.
d. Patient is treated for minor injuries and illness.
e. Transfer of patient from examining table to stretcher trolley, to go to observation rooms or pediatric wards.
f. Patient is assisted by Nurse/Nursing Attendant to move out from examining table and be discharged.

People Involved:

1 x Resident Physician
1 x Nurse
1 x Nursing Attendant
1 x Patient

Planning Relationships:

a. Close to Emergency suite entrance.
b. Adjacent to Nurse Station and Minor Operating Room

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
IV stand w/ IV fluid	1 set	
Cubicle curtain and rod	2	
Examining light	1	
Sphygmomanometer w/ pediatric cuffs	1	
Laryngoscope and endotracheal tubes (different sizes)	1	
Bag valve mask	1	
Cervical collar	1	
Weighing scale, infant	1	
Heavy-duty weighing scale, Detecto	1	
Suction apparatus	1	
Gooseneck lamp	1	
O2 tank set	1	
Nebulizer	1	
Waste Bin	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Footstool	3	
Examining table/bed	3	
Side table, 406x508	3	
Sink, elbow or foot control	1	
Concealed floor drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Cubicle curtain rail	2	
Outlet, 10A, 2P, 240V, duplex	11	grounding type, universal
Outlet, 10A, 2P, 240V, single	3	for emergency light
Smoke detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (PEDIATRICS)**	Reference Sheet Number: **ER-RDS-06B**

TECHNICAL DESIGN DATA:

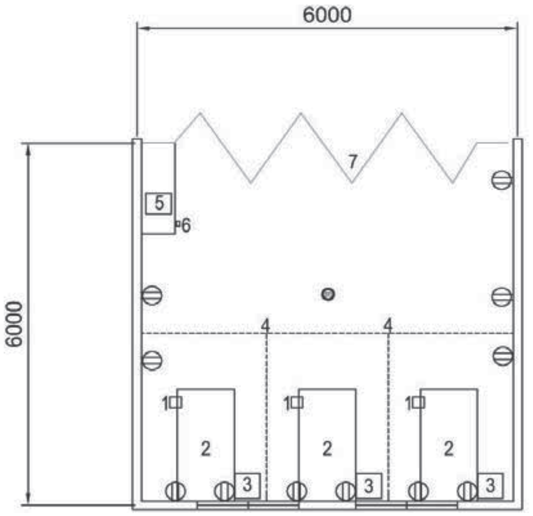
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	10,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff and patients
			LOW: medium: high
		Other risks	N/A

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health** **HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (PEDIATRICS)**	Reference Sheet Number: **ER-RDS-06C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	**DESIGN DATA**
Disposal	hospital solid waste type: A, B, D
Hot water	N/A
Cold water	N/A
Drainage	N/A
Medical Oxygen Gas	20 lpm/bed @ 4 Bar
Medical Vacuum	40 lpm/bed @ 450mm Hg
Medical Air	30 lpm/bed @ 4 Bar
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	examining table, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Footstool
2. Treatment/Observation Bed
3. Side table, 406x508
4. Cubicle curtain and rod
5. Sink-in-counter
6. Concealed floor drain
7. Varifold Partition

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (OB-GYN)**	Reference Sheet Number: **ER-RDS-07A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Ambulatory patient may arrive on foot.
b. Patient may arrive on wheelchair.
c. Use of diagnostic equipment.
d. Patient is treated for minor injuries and illness.
e. Transfer of patient from examining table to stretcher trolley, to go to observation rooms or surgical wards.
f. Patient is assisted by Nurse/Nursing Attendant to move out from examining table and be discharged.

People Involved:

1 x Resident Physician
1 x Nurse
1 x Nursing Attendant
1 x Patient

Planning Relationships:

a. Close to Emergency suite entrance.
b. Adjacent to Nurse Station and Minor Operating Room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
IV stand w/ IV fluid	1	
Cubicle curtain and rod	2	
Examining light	1	
Oxygen tank	1 set	
Sphygmomanometer	1 set	
Stethoscope	1	
Weighing scale	1	
Ortho set	1	
Thermometer, digital	1 set	
Suction apparatus	1	
EENT diagnostic set	1	
Neurological hammer	1 set	
Glucometer	1	
Pulse oximeter	1	
Cetrvical collar	1	
Laryngoscope w/ ET tube	1	
E-cart w/ complete ER meds.	1 set	
ECG cardiac monitor	1	
Big valve mask	1	
Electric Fan	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Footstool	3	
Examining table/bed	3	
Side table, 406x508	3	
Sink, elbow or foot control	1	
Concealed floor drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	3	
Cubicle curtain rail	2	
Outlet, 10A, 2P, 240V, duplex	11	grounding type, universal
Smoke detector	1	
Outlet, 10A, 2P, 240V, single	3	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (OB-GYN)**	Reference Sheet Number: **ER-RDS-07B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	10,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (OB-GYN)**	Reference Sheet Number: **ER-RDS-07C**

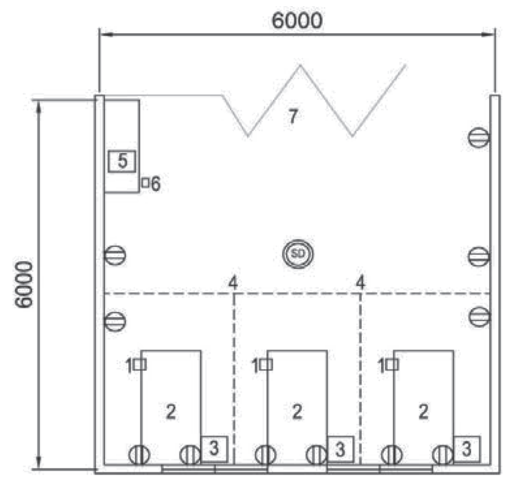
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	examining table, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key :

1. Footstool
2. Treatment/Observation Bed
3. Side Table, 406x508
4. Cubicle Curtain and Rod
5. Sink-in-counter
6. Concealed Floor Drain
7. Varifold Partition

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (MEDICAL)**	Reference Sheet Number: **ER-RDS-08A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Ambulatory patient may arrive on foot.
b. Patient may arrive on wheelchair/stretcher.
c. Use of diagnostic equipment.
d. Patient is treated for minor injuries and illness.
e. Transfer of patient from examining table to stretcher trolley, to go to observation rooms or nursing wards.
f. Patient is assisted by Nurse/Nursing Attendant to move out from examining table and be discharged.

People Involved:

1 x Resident Physician
1 x Nurse
1 x Nursing Attendant
1 x Patient

Planning Relationships:

a. Close to Emergency Suite entrance.
b. Adjacent to Nurse Station and Minor Operating Room.
c. Accessible to the Nursing Wards.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
IV stand w/ fluid	1	
Cubicle curtain and rod	3	
Examining light	1	
E-cart w/ complete ER meds.	1	
Nebulizer	1	
Sphygmomanometer	1	
Stethoscope	1	
Thermometer, digital	1	
Pulse Oximeter	1	
ECG cardiac monitor	1	
Glucometer	1	
Big valve mask	1	
Suction apparatus	1	
Weighing scale	1	
Cervical collar	1	
Oxygen tank	1	
Laryngoscope w/ ET tube	1	
Electric fan	1	
Suction machine	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Footstool	4	
Examining table/bed	4	
Side table, 406x508	4	
Sink, elbow or foot control	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Cubicle Curtain Rail	3	
Window Curtain Rail	3	
Outlet, 10A,2P,240V, duplex	15	grounding type, universal
Outlet, 10A, 2P, 240V, single	3	for emergency light
Smoke Detector	1	

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health** **HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (MEDICAL)**	Reference Sheet Number: **ER-RDS-08B**

TECHNICAL DESIGN DATA:

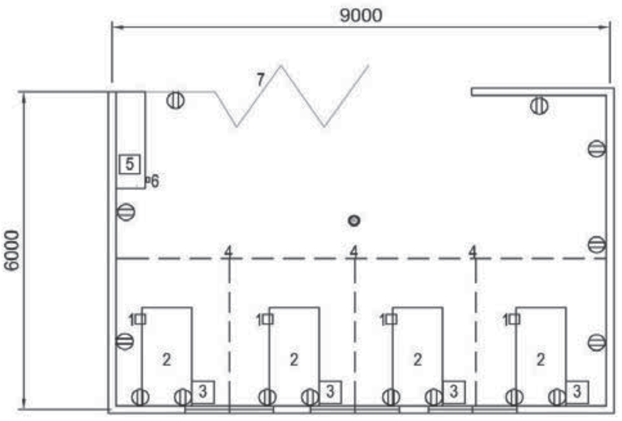
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	10,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	3.6		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (MEDICAL)**	Reference Sheet Number: **ER-RDS-08C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, D
Hot water	N/A
Cold water	N/A
Drainage	N/A
Medical Oxygen Gas	20 lpm/bed @ 4 Bar
Medical Vacuum	40 lpm/bed @ 450 mm Hg
Medical Air	30 lpm/bed @ 4 Bar
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	examining table, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Footstool
2. Treatment/Observation Bed
3. Side table, 406x508
4. Cubicle Curtain and Rod
5. Sink-in Counter
6. Concealed Floor Drain
7. Varifold Partition

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (SURGICAL)**	Reference Sheet Number: **ER-RDS-09A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Ambulatory patient may arrive on foot.
b. Patient may arrive on wheelchair.
c. Use of diagnostic equipment.
d. Patient is treated for minor injuries and illness.
e. Transfer of patient from examining table to stretcher trolley, to go to observation rooms or surgical wards.
f. Patient is assisted by Nurse/Nursing Attendant to move out from examining table and be discharged.
g. Patient is given initial treatment and brought to the Minor Operating Room.

People Involved:

1 x Resident Physician
1 x Nurse
1 x Nursing Attendant
1 x Patient

Planning Relationships:

a. Close to Emergency suite entrance.
b. Adjacent to Nurse Station and Minor Operating Room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
IV stand w/ IV fluid	1	
Cubicle curtain and rod	4	
Examining light	1	
Surgical set (minor)	1 set	
Oxygen tank w/ stand	1 set	
Sphygmomanometer	1	
Stethoscope	1	
Weighing scale	1	
Ortho set	1 set	
Thermometer	1	
Suction apparatus	1	
EENT diagnostic set	1 set	
Neurological hammer	1	
Glucometer	1	
Pulse oximeter	1	
Cetrvical collar	1	
Laryngoscope w/ ET tube	1 set	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Footstool	4	
Examining table/bed	4	
Side table, 406x508	4	
Sink, elbow or foot control	1	
Concealed floor drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Cubicle curtain rail	4	grounding type,
Outlet, 10A, 2P, 240V, duplex	13	universal
Smoke Detector	1	
Outlet, 10A, 2P, 240V, single	3	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (SURGICAL)**	Reference Sheet Number: **ER-RDS-09B**

TECHNICAL DESIGN DATA:

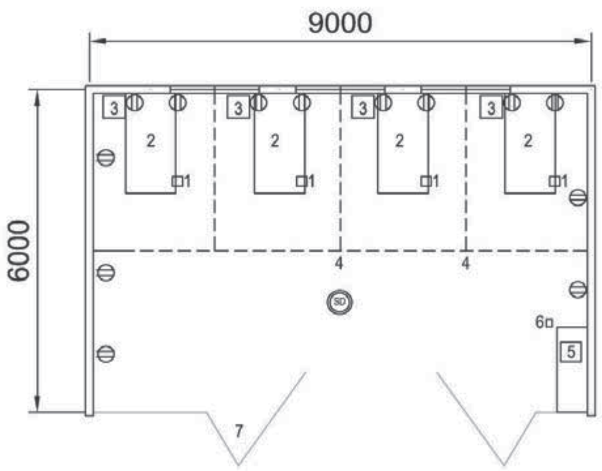
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	10,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	3.6		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **TREATMENT CUBICLE (SURGICAL)**	Reference Sheet Number: **ER-RDS-09C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, D
Hot water	N/A
Cold water	N/A
Drainage	N/A
Medical Oxygen Gas	40 lpm/bed @ 4 bar
Medical Vacuum	80 lpm/bed @ 450mm Hg
Medical Air	40 lpm/bed @ 4 bar
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	examining table, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Footstool
2. Examining table/bed
3. Side table, 406x508
4. Cubicle curtain and rod
5. Sink-in-counter
6. Concealed floor drain
7. Varifold Partition

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **SCRUB-UP/SUB-STERILE**	Reference Sheet Number: **ER-RDS-10A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

1. SCRUB-UP:
a. Physician and nurses rinse arms and hands with water and soap prior to and/or after surgical operation.
2. SUB-STERILE:
a. Preparation of packed surgical instruments from cabinets.
b. Storing and retrieving of instruments from cabinets.
c. Minor sterilizing works.
d. Handwashing and other clean-up activities.

People Involved:

1 x Resident Physician
1 x Nurse
1x Nursing Attendant

Planning Relationships:

a. Adjacent to Sub-sterilizing Room.
b. Adjacent to Scrub-up.
c. Close to Treatment cubicles.
d. Close to Nurse Station.
e. Adjacent to Minor Operating Room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Clock	1	
Soap dispenser	1	
Hand Drier	1	
Small instrument sterilizer	1	
Waste bin w/ yellow lining	2	
Airconditioning unit	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Shelves, 300mm deep		
Sink and drainboard		
Counter, 900mm high, open below		
Scrub-up sink w/ gooseneck spout and foot/elbow control		
Concealed floor drain w/ waterless trap		

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex	8	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Outlet, airconditioning unit	1	
Outlet, DATA	1	
Smoke detector	2	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **SCRUB-UP/SUB-STERILE**	Reference Sheet Number: **ER-RDS-10B**

TECHNICAL DESIGN DATA:

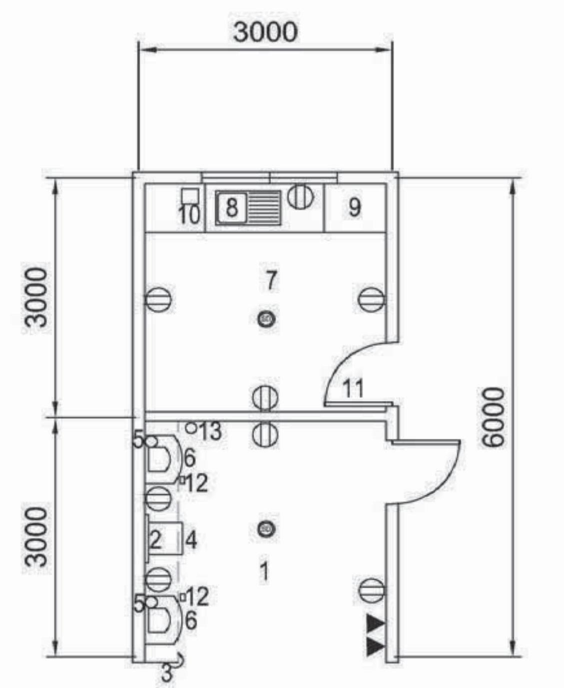
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	20,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	100
		Maximum temperature (deg. C)	70
		Access limit	Emergency Room staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **SCRUB-UP/SUB-STERILE**	Reference Sheet Number: **ER-RDS-10C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	required at sink
Cold water	required at sink
Drainage	provide floor drain
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM:heavy
Wheel traffic	light: MEDIUM:heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door w/ vision panel
Windows	nil, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. **SCRUB-UP**
2. Clock
3. Shelves over scrub sink
4. Hand drier
5. Soap dispenser
6. Scrub sink w/ gooseneck spout and foot or elbow control
7. **SUB-STERILE**
8. Sink and drainboard
9. Counter, 900mm high, open below
10. Small instument sterilizer
11. Door w/ vision panel
12. Concealed floor drain
13. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **MINOR OPERATING ROOM**	Reference Sheet Number: **ER-RDS-11A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activites:

a. Patient arrives on a stretcher trolley.
b. Patient is transferred from a stretcher trolley to operating table.
c. Clinical handwashing.
d. Anesthesia is administered.
e. Use of diagnostic equipment.
f. Patient is surgically operated.

People Involved:

2 x Resident Physicians
1 x Nurse
1x Nursing Attendant
1 x Patient

Planning Relationships:

a. Adjacent to Sub-sterilizing Room.
b. Adjacent to Scrub-up.
c. Close to Treatment cubicles.
d. Close to Nurse Station.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Negatoscope	1	
Double X-ray film illuminator	1	
Suction apparatus	1	
Sphygmomanometer	1	
Stethoscope	1	
IV Stand	1	
Clock	1	
Operating Light	1	
UV light	1	
Oxygen unit	1	
Telephone	1	
Airconditioning Unit	1	
Anesthesia Unit	1	
Surgical Set	1 set	
EENT Diagnostic & Surgical Set	1 set	
O.R. Table	1	
Water Heater, portable	1	
Waste bin w/ yellow lining	3	
Puncture-proof container	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Scrub sink, elbow or foot control	1	
Double basin stand	1	
Instrument Table	1	
Operating table	1	
Footstool	1	
Kick bucket	1	
Single basin stand	1	
Telephone	1	
Glass Board	1	
Concealed floor drain	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex	10	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Outlet, DATA	1	
Grounding terminal	3	
Split type ACU, 3 ton	1	
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **MINOR OPERATING ROOM**	Reference Sheet Number: **ER-RDS-11B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cum./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	emergency room staff and patient
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **MINOR O. R.**	Reference Sheet Number: **ER-RDS-11C**

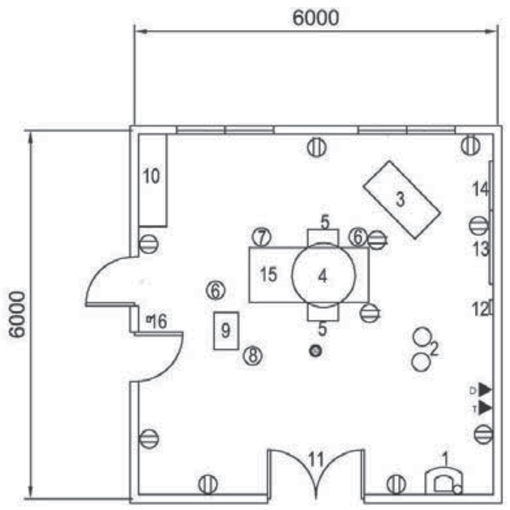
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A,B,C,D,F
Hot water	required at sink
Cold water	required at sink
Drainage	required at toilet fixtures & floor
Gas	Medical Oxygen Gas, 40 lpm/rm @ 4 bar; Medical Vacuum, 100 lpm/rm @ 450mm Hg; Medical Air, 10 lpm/rm @ 4 bar
Compressed air	
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	stretcher trolley, operating table,wheelchair access w/ vision panel
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Scrub sink
2. Double basin stand
3. Instrument table
4. Operating light
5. Footstool
6. Kick bucket
7. Single basin stand
8. Anesthetist's stand
9. Anesthetist's table
10. Adjustable open shelving
11. Vision panel
12. Clock
13. Recessed double x-ray film illuminator
14. Aspirator below view box
15. Operating table
16. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **HEALTH EMERGENCY MANAGEMENT SUPPLY**	Reference Sheet Number: **ER-RDS-12A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Storage of supplies for public health emergency preparedness and response unit.
b. Distribution of said supplies.

People Involved:

1 x Medical Doctor

Planning Relationships:

a. Within the emergency Department and near the exit/lobby for easier distribution of supplies in cases of emergency.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Personal Protective Equipment (PPE) Gloves Gowns Goggles Facial Guards N95 Respirator or Surgical Mask		

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
600 mm deep shelves		

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	3	grounding type, universal slots
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke detector	1	
Outlet, telephone	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **HEALTH EMERGENCY MANAGEMENT SUPPLY**	Reference Sheet Number: **ER-RDS-12B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	10,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **HEALTH EMERGENCY MANAGEMENT SUPPLY**	Reference Sheet Number: **ER-RDS-12C**

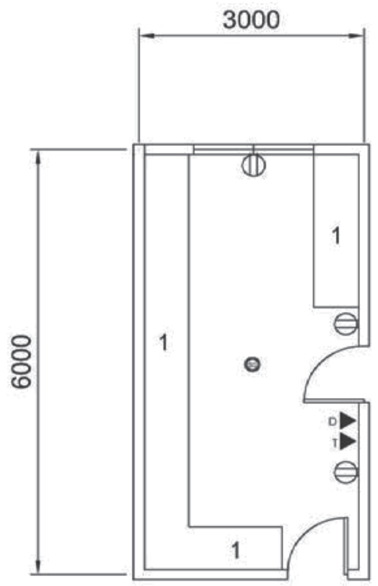
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key :

1. 600 mm deep shelves

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **DOCTORS' CALL ROOM**	Reference Sheet Number: **ER-RDS-13A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Doctor on duty reads, writes and uses mobile phone in his table.
B. Doctor on duty to rest while awaiting emergency calls.
c. Doctor on duty to use toilet facilities.
d. Doctor on duty stores personal belongings.

People Involved:

2 x Resident Physician
2 x Nurse
2 x Nursing Attendant

Planning Relationships:

a. Close to Major Operating Room
b. Close to Nurse Station
c. Close to Treatment Cubicles

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste Bin w/ green lining	1	biodegradable
Waste Bin w/ black lining	1	non-biodegradable

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
	1	w/o arm
3-Seater Sofa, 700x1800	1	
Easy Chair, 600x700	1	
Sink-in-counter, cabinets below		
Filing Cabinet		
Water Closet w/ spray hose	3	
Lavatory	1	
Concealed Floor Drain w/	1	
waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex		grounding type,
Outlet, 10A, 2P, 240V, single	6	universal
	1	for emergency light
Outlet, DATA	1	
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **DOCTORS' CALL ROOM**	Reference Sheet Number: **ER-RDS-13B**

TECHNICAL DESIGN DATA:

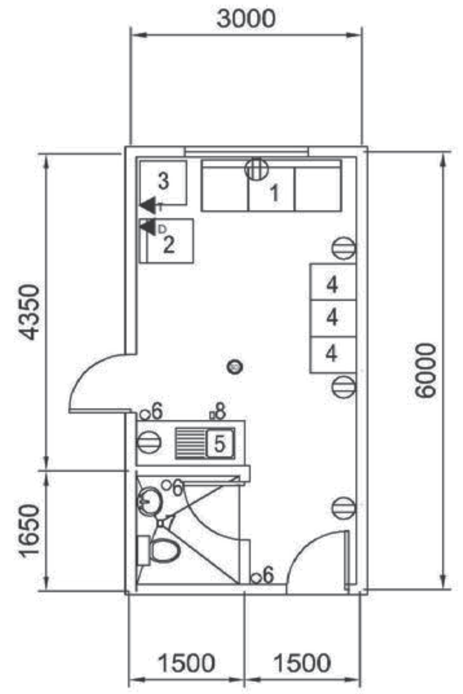
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	ER chief, staff and visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **DOCTORS' CALL ROOM**	Reference Sheet Number: **ER-RDS-13C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at lavatory
Cold water	required at toilet
Drainage	provide at toilet and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. 3-seater sofa w/o arms, 700x1800
2. Easy chair, 600x700
3. Corner table, 600x600
4. Filing cabinet
5. Sink-in-counter, cabinets below
6. Waste Bin
7. Floor strainer
8. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **DEPARTMENT HEAD'S OFFICE**	Reference Sheet Number: **ER-RDS-14A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Reads, writes and uses telephone in his work station.
b. Receives visitors.
c. Consulted by patients.
d. Stores, files and retrieves records.
e. Supervises/monitors clinical activities.
f. Use of toilet facilities.

People Involved:

1 x E.R. chief
1 x E.R. staff
Visitors

Planning Relationships:

a. Close to E.R. treatment cubicles.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste Bin w/ black lining	3	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Swivel chair	1	
Desk, 750x1500	1	
Chair, upright, stacking	2	
Book shelves, 300x900	2	
Lavatory	1	
Water closet	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V	8	grounding type universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Outlet, DATA	1	
Smoke Detector	2	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **DEPARTMENT HEAD'S OFFICE**	Reference Sheet Number: **ER-RDS-14B**

TECHNICAL DESIGN DATA:

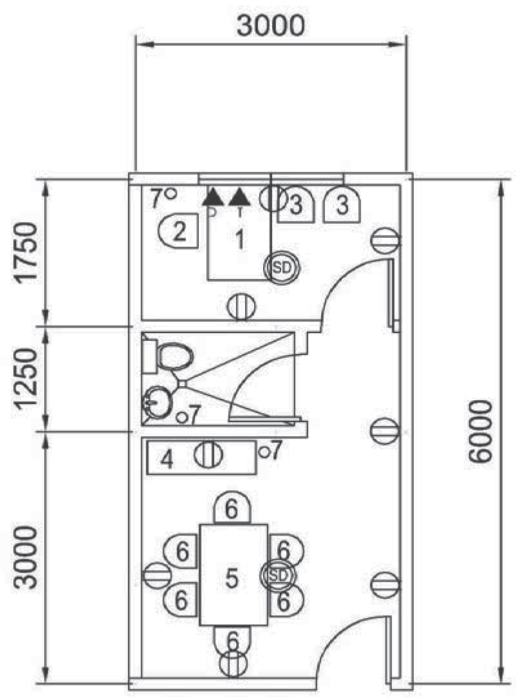
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	ER chief, staff and visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **DEPARTMENT HEAD'S OFFICE**	Reference Sheet Number: **ER-RDS-14C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at lavatory
Cold water	required at lavatory
Drainage	provide floor drain at toilet
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1000
2. Junior Executive Chair
3. Visitors' Chair
4. Cabinet, 400x1200
5. Conference Table, 750x1200
6. Conference Chair
7. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **ISOLATION ROOM**	Reference Sheet Number: **ER-RDS-15A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activites:

a. E.R. patient is triaged and brought to Isolation Room.
b. E.R. attendant bathes patient.
c. Patient is decontaminated with chemical solutions.
d. Patient undergoes screening for possible or suspected with any biological or chemical contamination.
e. Consultation/examination/treatment of patients.
f. Holding area of patients prior to admission or referral to other hospitals.

People Involved:

1 x Medical Doctor
1 x Nurse
Patient

Planning Relationships:

a. Close to Emergency Department exit.
b. Adjacent to ambulance entrance.
c. Accessible to Nursing Wards.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Exhaust fan	1	
Electric fan	1	
Airconditioning unit	1	
Thermometer	1	
Sphygmomanometer	1	
Weighing scale	1	
Stethoscope	1	
IV stand	1	
Suction machine	1	
Gooseneck lamp	1	
Bed	1	
Waste bin with yellow lining	2	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Examining Table/Bed	1	
Shower Valve, hot and cold	1	
Consultation Table	1	
Lavatory	1	
Water Closet w/ spray hose	1	
PPE rack	1	
Chair, upright, stacking	2	
Linen storage	2	
Linen hamper	2	
Floor strainer	1	
Concealed floor drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	15	grounding type universal
Outlet, 10A, 2P, 240V, single	3	for emergency light
Outlet, telephone	1	
Outlet, DATA	1	
Smoke Detector	3	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **ISOLATION ROOM**	Reference Sheet Number: **ER-RDS-15B**

TECHNICAL DESIGN DATA:

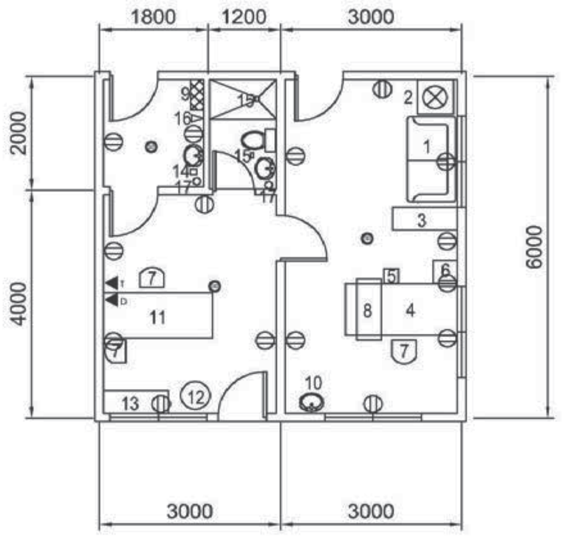
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	20,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	30	Accessible hot surface:	
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	100
		Maximum temperature (deg. C)	70
		Access limit	E.R. staff and patient
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **ISOLATION ROOM**	Reference Sheet Number: **ER-RDS-15C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, E
Hot water	N/A
Cold water	N/A
Drainage	N/A
Medical Oxygen Gas	40 lpm/bed @ 4.0 bar
Medical Vacuum	10 lpm/bed @ 450mm Hg
Medical Air	40 lpm/bed @ 4.0 bar
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	examining table, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. 2-seater Sofa, 750x1500
2. Corner Table, 600x600
3. Planter Divider w/ cabinets below
4. Examining Table/Bed
5. Footstool
6. Side Table, 406x508
7. Chair, upright, stacking
8. Overbed Table
9. PPE Rack
10. Lavatory for patient
11. Consultation Table
12. Linen Hamper
13. Linen Storage
14. Concealed Floor Drain
15. Floor Strainer
16. Shower Set
17. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **DECONTAMINATION ROOM**	Reference Sheet Number: **ER-RDS-16A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activites:

a. Ambulatory patient may arrive.
b. Patient may arrive on wheelchair/stretcher.
c. Patient is decontaminated with chemical solutions.
d. Patient undergoes screening for possible or suspected with any biological or chemical contamination.

People Involved:

1 x Resident Physician
Patient

Planning Relationships:

a. Close to ambulance or emergency vehicle drop-off.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Exhaust fan	1	
Electric fan	1	
Airconditioning unit	1	
Thermometer	1	
Sphygmomanometer	1	
Weighing scale	1	
Stethoscope	1	
IV stand	1	
Suction machine	1	
Gooseneck lamp	1	
Linen Hamper	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Shower Valve, hot and cold	1	pull ball valve
Floor Strainer	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	8	grounding type universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **DECONTAMINATION ROOM**	Reference Sheet Number: **ER-RDS-16B**

TECHNICAL DESIGN DATA:

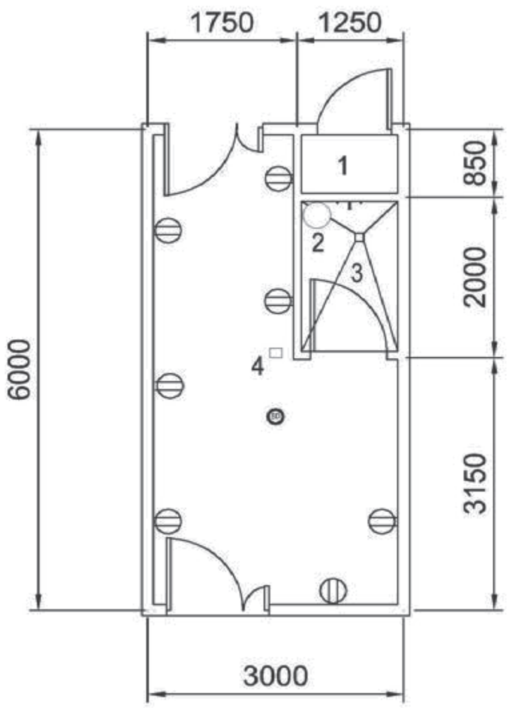
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	20,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	100
		Maximum temperature (deg. C)	70
		Access limit	E.R. staff and patient
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **DECONTAMINATION ROOM**	Reference Sheet Number: **ER-RDS-16C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A,E
Hot water	N/A
Cold water	N/A
Drainage	N/A
Medical Oxygen Gas	40 lpm/bed @ 4.0 Bar
Medical Vacuum	10 lpm/bed @ 450mm Hg
Medical Air	40 lpm/bed @ 4.0 Bar
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	examining table, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Linen storage
2. Linen hamper
3. Shower cubicle
4. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **PUBLIC TOILET FACILITIES**	Reference Sheet Number: **ER-RDS-17A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient, patient's companions, hospital visitors make use of toilet facilities.

People Involved:

Patients
Patients companions
Hospital visitors

Planning Relationships:

a. Accessible from all E.R. facilities

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Toilet Cubicle	5	
Waste Bin w/ yellow lining	5	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Water closet w/ spray hose	6	
Lavatory, wall-hung	1	
Lavatory-in-counter	8	
Urinal	4	
Slop Sink	4	
Floor Strainer	18	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal
Outlet, 10A, 2P, 240V, single	5	for emergency
Heat Detector	5	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **PUBLIC TOILET FACILITIES**	Reference Sheet Number: **ER-RDS-17B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)		General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	general public
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **EMERGENCY**	Room Title: **PUBLIC TOILET FACILITIES**	Reference Sheet Number: **ER-RDS-17C**

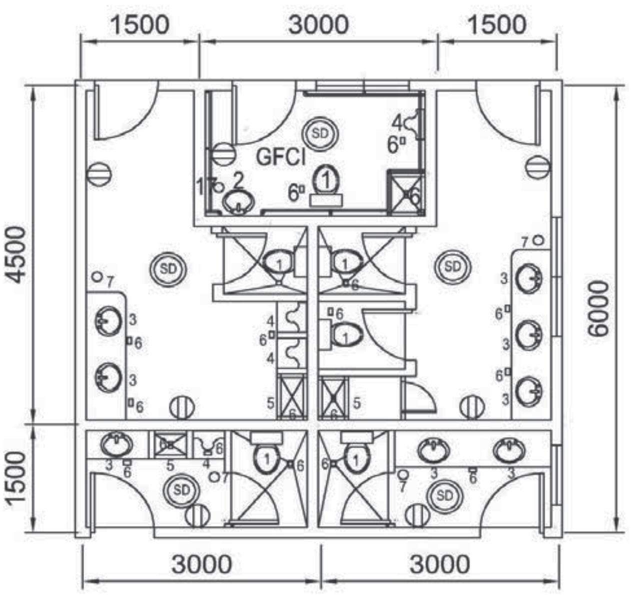
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	required at toilet
Drainage	provide floor drain at toilet
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Water closet, w/ spray hose
2. Lavatory, wall-hung
3. Lavatory in counter, open below
4. Urinal
5. Slop Sink
6. Floor Strainer
7. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

VOLUME 3

STANDARD PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

3.3 OUTPATIENT SERVICE FACILITIES

Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Hospital: 100-Bed (Level 2)	SERVICE FACILITY SHEET INDEX	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Service Facility Title: **OUTPATIENT**	Reference Sheet Number:

ROOM TITLE	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
OUTPATIENT		**486**		
LOBBY/TRIAGE AREA	54		**OPD-RDS-01**	**185**
WAITING AREA	54		**OPD-RDS-02**	**188**
REGISTRATION/ADMITTING COUNTER	18		**OPD-RDS-03**	**191**
NURSE STATION	18		**OPD-RDS-04**	**194**
OPD RECORDS ROOM	18		**OPD-RDS-05**	**197**
OFFICE OF THE OPD CHIEF	18		**OPD-RDS-06**	**200**
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CONSULTATION ROOM (PEDIA/UNDER SIX)	18		**OPD-RDS-15**	**227**
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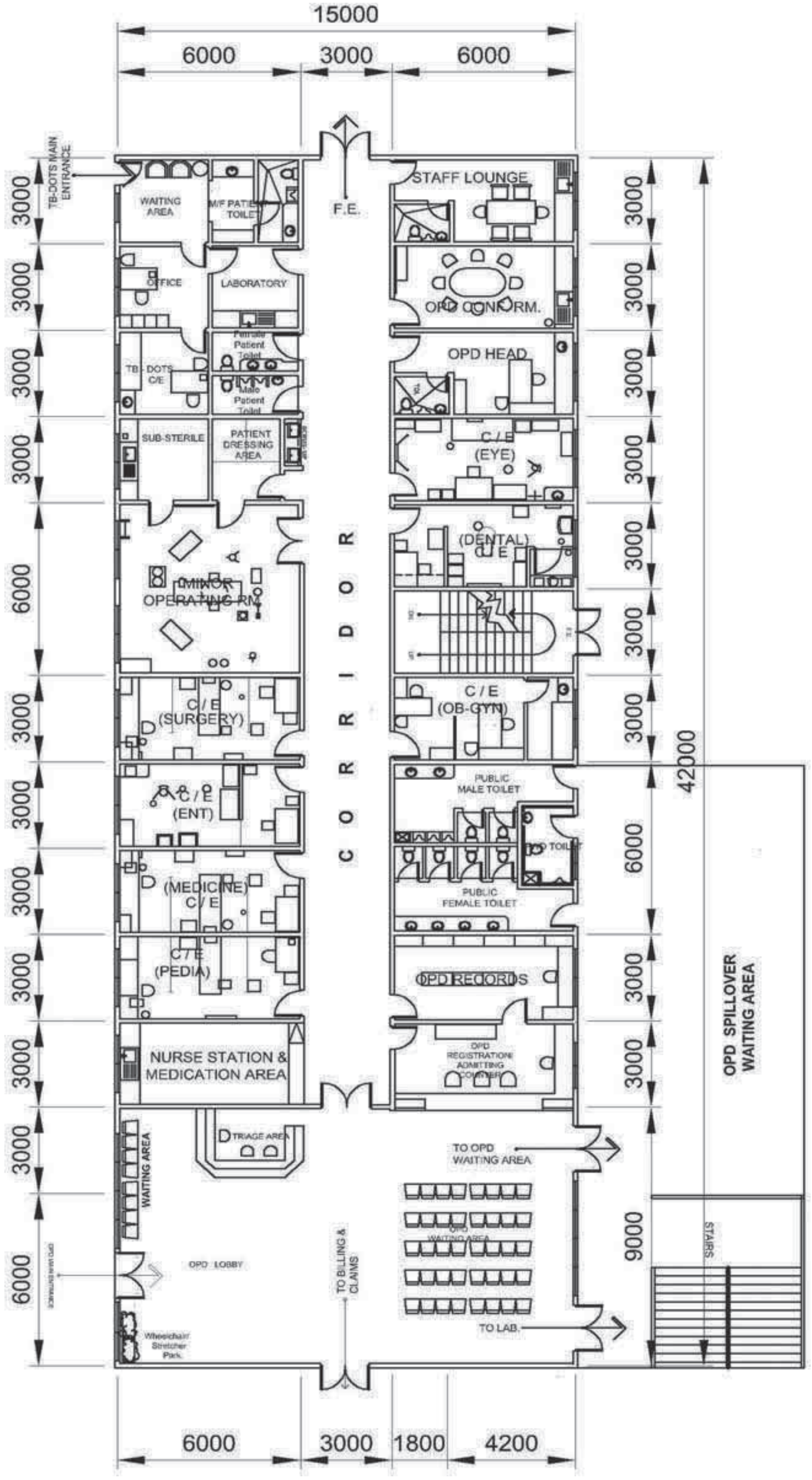
PATIENT TOILET	9		**OPD-RDS-19**	**239**
PUBLIC TOILETS	36		**OPD-RDS-20**	**242**

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Reference Sheet Number: **OPD-DDS-01**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **LOBBY/TRIAGE/WAITING AREA**	Reference Sheet Number: **OPD-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patients await their turns to be interviewed and their cases be assessed at the triage.
b. Patients await their turns to be attended to in any of the treatment rooms.
c. Patient waits for his/her number to be called.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste bins, foot-controlled	2	General waste (black & green)
Television, ceiling or wall-mounted	1	
DVD player	1	
Wheelchair	1	
Stretcher	3	
Queing machine (optional)	1	
Computer	1	
Printer	1	
	1	

People Involved:

8 x Outpatients and Companions

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Waiting bench, 500x2500	8	Steel gang-type chair
Fire extinguisher	2	
Computer Table	1	
Electric fan/Ceiling fan	2	
Television	1	

Planning Relationships:

a. Close to OPD Consultation Rooms.
b. Adjacent to OPD Registration Counter.
c. Close to other Ancillary Services.
d. Registration Area to a location near the entrance and accessible to OPD clinics.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, 10A, 2P, 240V, duplex	10	grounding type, universal
Outlet, 10A, 2P, 240V, Single	2	for emergency lights
Outlet, telephone	2	
Electric fan, ceiling/wall	3	
Paging system	1	
Signages	1	
Digital queing machine (optional)	1	
Outlet, DATA	1	
Smoke Detector	2	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **LOBBY/TRIAGE/WAITING AREAS**	Reference Sheet Number: **OPD-RDS-01B**

TECHNICAL DESIGN DATA:

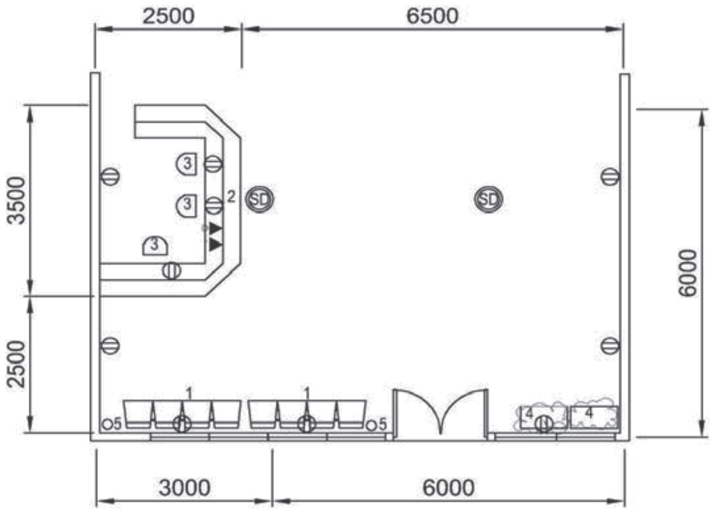
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	50
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	general public
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **LOBBY/TRIAGE/WAITING AREAS**	Reference Sheet Number: **OPD-RDS-01C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	bed, stretcher trolley, wheel chair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Steel gang-type bench, 500x2500
2. Counter Triage
3. Clerical Chairs
4. Plant Box
5. Waste Bin, foot-controlled, black and green lining

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **WAITING AREA**	Reference Sheet Number: **OPD-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patients await their turns to be attended to in any of the treatment rooms.
b. Patient waits for his/her number to be called.

People Involved:

40 x Outpatients and Companions

Planning Relationships:

a. Close to OPD Consultation Rooms.
b. Adjacent to OPD Registration Counter.
c. Close to other Ancillary Services.
d. Near the entrance and accessible to OPD clinics.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste bins, foot-controlled	5	General waste (black & green)
Television, ceiling or wall-mounted	1	
DVD player	1	
Wheelchair	1	
Stretcher	2	
Queing machine (optional)	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Waiting bench, 500x2500	40	Steel gang-type chair
Fire extinguisher	2	
Electric fan/Ceiling fan	1	
Television	2	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, 10A, 2P, 240V, duplex	4	grounding type, universal
Outlet, 10A, 2P, 240V, single	2	for emergency lights
Outlet, telephone	2	
Electric fan, ceiling/wall	3	
Paging system	1	
Signages	1	
Digital queing machine (optional)	1	
Outlet, DATA	1	
Smoke Detector	2	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **WAITING AREA**	Reference Sheet Number: **OPD-RDS-02B**

TECHNICAL DESIGN DATA:

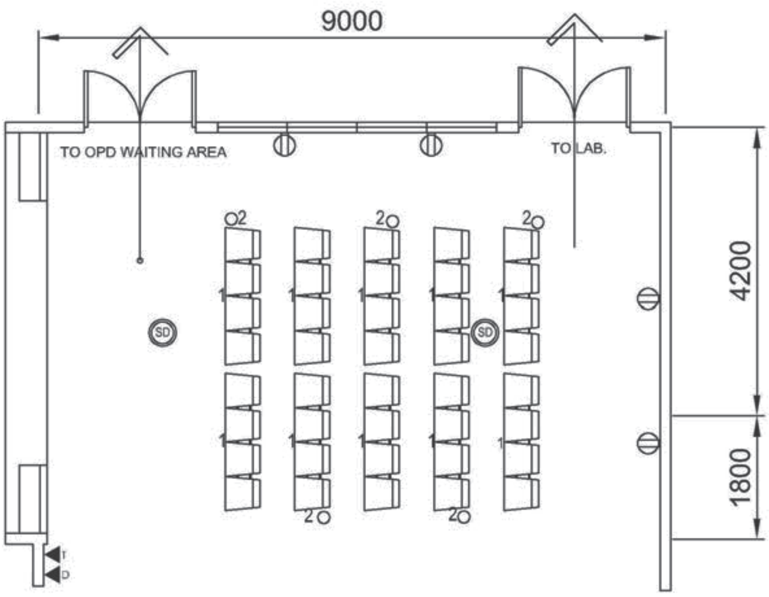
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	50
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	general public
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **WAITING AREA**	Reference Sheet Number: **OPD-RDS-02C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	bed, stretcher trolley, wheel chair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Steel gang-type bench, 500x2500
2. Waste Bin (foot-controlled)

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **REGISTRATION/ADMITTING COUNTER**	Reference Sheet Number: **OPD-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. OPD Patient registration.
b. Data encoding of patient's information to the system.
c. Issuance of Medical/medical legal certificates.
d. Maintenance of OPD register.

People Involved:

1 x Administrative Officer I
1 x Data controller

Planning Relationships:

a. Adjacent to OPD Waiting Area.
b. Close to entrance to OPD.
c. Close to the Office of the OPD chief.
d. Close to Consultation Rooms.
e. Adjacent and accessible to OPD Records room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Printer	1	
Computer	1	
Telephone handset	1	
Intercom handset	1	
Electric fan	1	
Computer	1	
Microphone	1	
Waste Bin w/ black lining	2	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Adjustable stool	2	
Counter, open below		
Counter, shelves below		
Counter, cabinets below		
Computer table, 400x800	1	
Chair, upright, stacking	2	
Computer with printer	1	
Steel open shelves	6	
Computer Table	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex	3	grounding type, universal
	1	for emergency light
Outlet, 10A, 2P, 240V, Single	1	
Smoke Detector	1	
Outlet, DATA	1	
Paging system	1	
Water Sprinkler	1	
Fire extinguisher		

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **REGISTRATION/ADMITTING COUNTER**	Reference Sheet Number: **OPD-RDS-03B**

TECHNICAL DESIGN DATA:

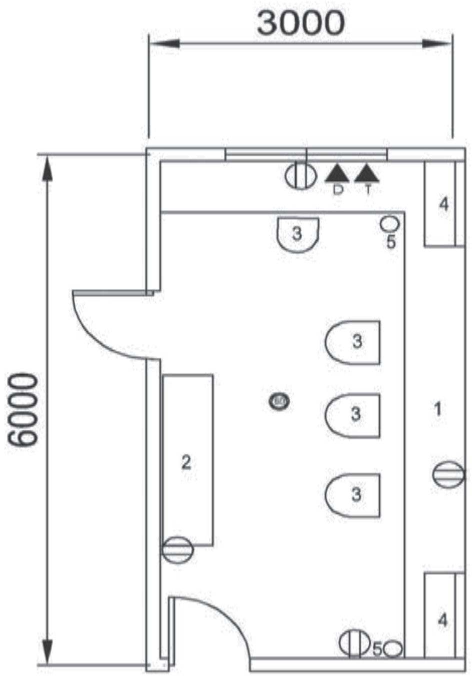
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	OPD staff, patients and visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **ADMITTING/REGISTRATION COUNTER**	Reference Sheet Number: **OPD-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear,solar control, privacy control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Registration Counter, open below
2. Back cabinet, 450x2100
3. Counter chairs
4. Wall-hung cabinets
5. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **NURSE STATION AND MEDICATION ROOM**	Reference Sheet Number: **OPD-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Nurse gives medication to the OPD patient.

People Involved:

1 x Supervisor Nurse
2 x Nurse

Planning Relationships:

a. Adjacent to consultation examination room.
b. Close to triage and registration room.
c. Adjacent and accessible to OPD records room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
BP apparatus	1	
Stethoscope	1	
Waste bin, foot-controlled, yellow lining	1 *	
Puncture-proof container	1	
Waste Bin w/ black lining	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Counter-Open below	1	
Counter shelves-below	1	
Counter cabinet-below	1	
Office table w/ chair	3	
Adjustable stool	2	
Computer table	1	
Sink-in-counter, open below	1	
Concealed Floor Drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, single	4	grounded type universal
Outlet, telephone	1	
Outlet, DATA	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **NURSE STATION AND MEDICATION ROOM**	Reference Sheet Number: **OPD-RDS-04B**

TECHNICAL DESIGN DATA:

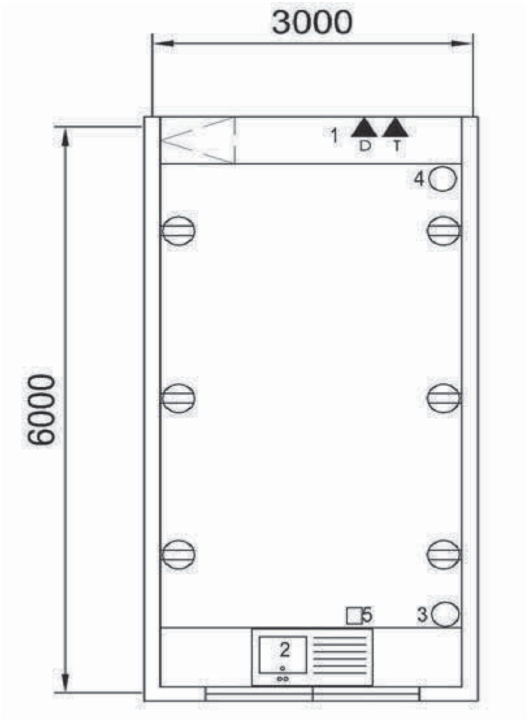
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	ESSENTIAL: desirable: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	
		Maximum temperature (deg. C)	at sink
		Access limit	nursing staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **NURSE STATION**	Reference Sheet Number: **OPD-RDS-04C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	slight: OCCASIONAL: frequent
Abrasion	slight: OCCASIONAL: frequent
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Counter, shelves and cabinets below
2. Sink-in-counter, 900mm high, cabinets below
3. Waste Bin w/ black lining (general)
4. Waste Bin (infectious)
5. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **OPD RECORDS ROOM**	Reference Sheet Number: **OPD-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. OPD staff reads, writes, files and retrieves records of patients.

People Involved:

1x Records officer
1x Clerk

Planning Relationships:

a. Adjacent and accessible to OPD Registration counter.
b. Adjacent to OPD Waiting Area.
c. Close to entrance to OPD.
d. Close to the Office of the OPD chief.
e. Close to Consultation Rooms.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Steel ladder, 4-step heavy-duty		
Filing cabinet	1	
Counter chair	1	
Waste bin w/ black lining	1	
	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Transaction counter	1	
Steel, open shelving	9	
Electric fan	2	
Fire extinguisher	2	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex	6	grounding type, universal
Outlet, 10A, 2P, 240V, single		
Smoke Detector/water sprinkler	1	for emergency light
Outlet, DATA		
	1	
	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **RECORDS ROOM**	Reference Sheet Number: **OPD-RDS-05B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	OPD staff & authorized users
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **OPD RECORDS ROOM**	Reference Sheet Number: **OPD-RDS-05C**

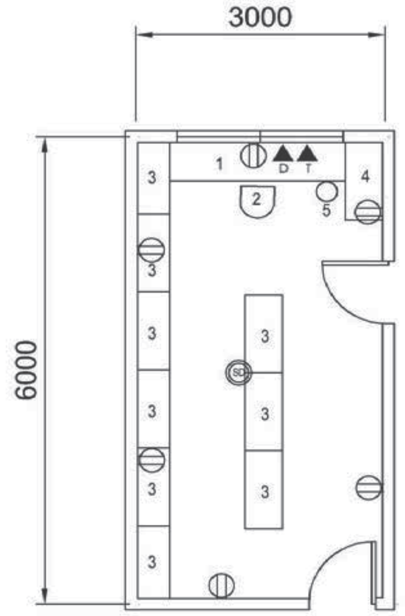
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	light: MEDIUM: heavy
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Transaction Counter
2. Adjustable stool
3. Steel, open shelving
4. Steel filing cabinet
5. Waste bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **OFFICE OF THE OPD CHIEF**	Reference Sheet Number: **OPD-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Reads, writes and uses telephone in his work station.
b. Receives visitors.
c. Consulted by patients.
d. Stores, files and retrieves records.
e. Supervises/monitors clinical activities.
f. Use of toilet facilities.

People Involved:

1 x OPD chief
1 x OPD staff
Visitors

Planning Relationships:

a. Close to OPD consultation rooms.
b. Close to OPD registration counter.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste Bin w/ black lining	2	
Computer/Laptop	1	
Printer	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Computer table	1	
Swivel chair	1	
Desk, 750x1800	1	
Chair, upright, stacking	1	
Desk Return, 400x900	2	
cabinets		
below	1	
Aircon, window-type	1	
Conceead floor drain, w/		
waterless trap	1	
Water closet w/ spray hose	1	
Urinal	1	
Floor Strainer	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex	5	grounding type, universal
Outlet, 10A, 2P, 240V, Single	1	for emergency light
Outlet, DATA	1	
Aircon, window type	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **OFFICE OF THE OPD CHIEF**	Reference Sheet Number: **OPD-RDS-06B**

TECHNICAL DESIGN DATA:

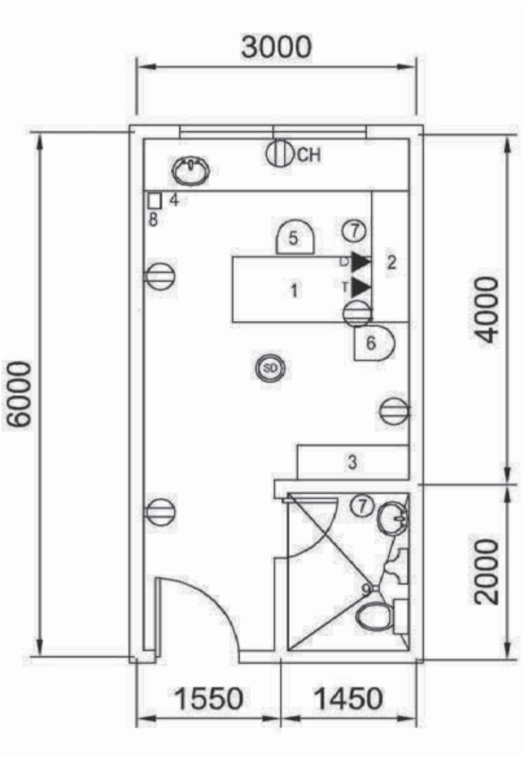
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. M./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	OPD chief, staff and visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **OFFICE OF THE OPD CHIEF**	Reference Sheet Number: **OPD-RDS-06C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at lavatory
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheel chair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1800
2. Desk Return, 400x900
3. Cabinet, 400x1500
4. Lavatory-in-counter, cabinets below
5. Clerical Chair
6. Visitor's Chair
7. Waste Bin
8. Concealed floor drain
9. Floor strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **OPD-RDS-07A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activity/activities:

a. OPD staff, physicians and visitors hold meetings and special lectures.

People Involved:

OPD staff
OPD doctors
Visitors

Planning Relationships:

a. Adjacent to Staff area.
c. Close to the Office of the OPD chief.
d. Close to Consultation Rooms.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste bin w/ black lining and linear	2	biodegradable and non-biodegradable
LCD projector built-in	1	
Negatoscope	1	
Airconditioning unit	1	
Computer/printer	1	
Glass board/Whiteboard	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Conference table	1	
Swivel chair	8	
Sink-in-counter, cabinet below	1	
Counter, 900mm high, shelves below	1	
Concealed floor drain, w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex	3	grounding type, universal
Outlet, 15A, 2P, 240V, single	1	for emergency light
Outlet, DATA	1	
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **OPD CONFERENCE ROOM**	Reference Sheet Number: **OPD-RDS-07B**

TECHNICAL DESIGN DATA:

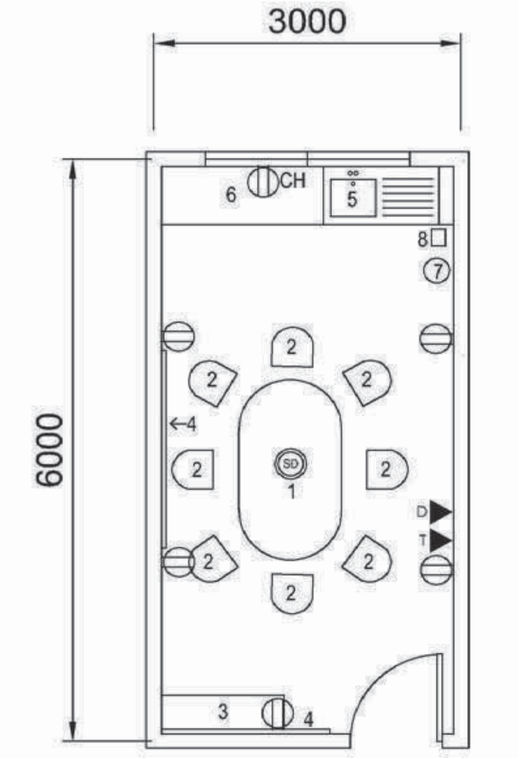
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	OPD staff & visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **OPD-RDS-07C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access door
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Conference Table, 1000x1800
2. Conference Chair
3. Cabinet, 400x1200
4, Whiteboard, 1200x2400
5. Sink-in-counter, cabinets below
6.Counter, 900mm high, shelves below
7. Waste Bin
8. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **SCRUB-UP/SUB-STERILE/PATIENT DRESSING**	Reference Sheet Number: **OPD-RDS-08A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Physician and nurses rinse arms and hands with water and soap prior to and/or operation.
b. Surgical hand scrubbing.

People Involved:

1 x Physician
1 x Nurse
1 x Nursing Attendant

Planning Relationships:

a. Adjacent to Dressing Room.
b. Adjacent to Minor Operating Room.
c. Close to Consultation Rooms.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste bin w/ yellow lining	1	
Clock	1	
Soap dispenser	2	
Hand drier	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Shelves, 30mm deep		
Sink and drainboard		
Counter, 900mm high, open below		
Scrub and sink w/ gooseneck	2	
Spout and foot/elbow control		

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet 10A, 2P, 240V, duplex	4	grounding type,
Outlet, 10A, 2P, 240 V, single	2	universal
Window curtain rail	1	for emergency light
Outlet, telephone	1	
Smoke Detector	2	
Outlet, DATA	2	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **SCRUB-UP/SUB-STERILE/PATIENT DRESSING**	Reference Sheet Number: **OPD-RDS-08B**

TECHNICAL DESIGN DATA:

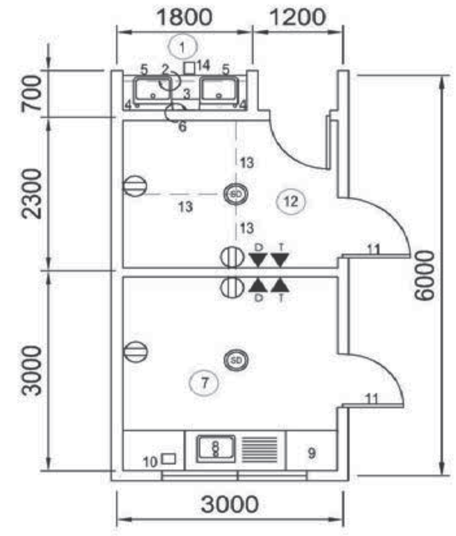
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	20,000
Volume (cu. m./hr.-person)	25	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min..)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93%-99% 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.5		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	100
		Maximum temperature (deg. C)	70
		Access limit	OPD Staff
		Fire risk	low: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **SCRUB-UP/SUB-STERILE/PATIENT DRESSING**	Reference Sheet Number: **OPD-RDS-08C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at sink
Cold water	required at sink
Drainage	provide floor drain
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light:MEDIUM:heavy
Wheel traffic	light:MEDIUM:heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	operating table, stretcher trolley access
Windows	nil
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. SCRUB UP:
2. Shelves over scrub sink
3. Hand Drier
4. Soap Dispenser
5. Scrub sink w/ gooseneck spout and foot/elbow controls
6. Clock
7. SUB-STERILE:
8. Sink and drainboard
9. Counter 900mm high, cabinet below
10. Small instrument sterilizer
11. Door w/ vision panel
12. PATIENT DRESSING:
13. Cubicle curtain and rod
14. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **MINOR OPERATING ROOM**	Reference Sheet Number: **OPD-RDS-09A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient is ambulatory.
b. Clinical handwashing.
c. Anesthesia is administered.
d. Use of diagnostic equipment.
e. Patient is treated with minor surgery.

People Involved:

2 x Resident physician
1 x Nurse
1 x Nursing attendant
1 x Patient

Planning Relationships:

a. Adjacent to Sub-Sterilizing room.
b. Adjacent to scrub-up.
c. Close to consultation and examination room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Double X-ray film illuminator	1	
Aspirator	1	
Anesthesia unit	1	
Clock	1	
Operating light	1	
UV light	1	
Oxygen unit	1	
OR table	1	
Stretcher/wheelchair	1	
Dressing cart w/ accessory	1	
Mayo table	1	
Waste bin w/ yellow lining	2	
Purified-proof container	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Double basin stand	2	
Instrument table	1	
Operating table	1	
Foot stool	1	
Kick bucket	1	
Single basin stand	1	
Anesthetist table	1	
Screen	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet telephone	1	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	12	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke Detector	1	
Grounding terminal	3	
Split type ACU, 3 ton	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **MINOR OPERATING ROOM**	Reference Sheet Number: **OPD-RDS-09B**

TECHNICAL DESIGN DATA:

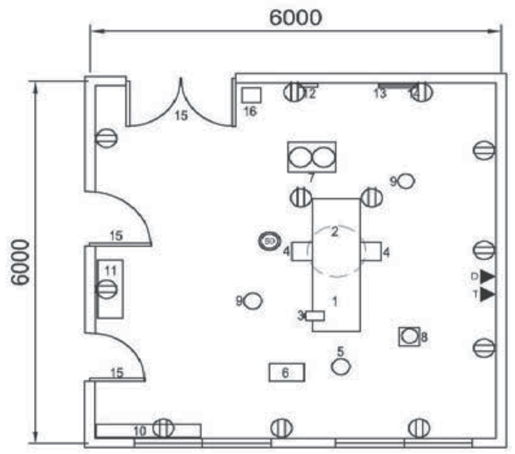
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	20,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93%-99% 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	patient and OPD Staff
		Fire risk	low: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **MINOR OPERATING ROOM**	Reference Sheet Number: **OPD-RDS-09C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A,B,C
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light:MEDIUM:heavy
Wheel traffic	light:MEDIUM:heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	Stretcher trolley, operating table, wheelchair access w/ vision panel
Windows	clear solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. Operating Table
2. Operating Light
3. Mayo Table
4. Footstool
5. Anesthetist's Stool
6. Anesthetist's Table
7. Double Basin Stand
8. Single Basin Stand
9. Kick Bucket
10. Adjustable Open Shelving
11. Instrument Table, 600x1200
12. Clock
13. Recessed Double X-ray Film Illuminator (Negatoscope)
14. Aspirator below View Box
15. Door w/ vision panel
16. Floor Cleanout

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM** **(Surgery)**	Reference Sheet Number: **OPD-RDS-10A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient may arrive on foot.
b. Patient may arrive in wheel chair.
c. Transfer patient to/from a wheel chair to examining table and vice versa.
d. Clinical handwashing.
e. Use of monitoring/diagnostic equipment.
f. Medical, surgical, nursing and first aid activities.

People Involved:

1 x Resident physician
1 x Nurse
1 x Nursing attendant
1 x Patient

Planning Relationships:

a. Close to other ancillary services.
b. Close to OPD minor OR.

This activity space provides facilities needed for the delivery of general patient care.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Thermometer, non-mercurial	1	
Sphygmomanometer, non-mercurial		
Examining table	1	
Weighing scale w/ rod	1	
Paper towel dispenser	1	
Towel rack		
Opthalmoscope		
Otoscope	1	
Neuro hammer	1	
2-film Negatoscope	1	
Mayo table	1	
Gooseneck lamp	1	
Stethoscope	1	
IV Stand	1	
Sharps collector, puncture-proof	1	
container	2	
Waste bin, yellow lining	1	
Waste bin, black lining	2	
Cast remover	1	
Mirror set	1 set	
I and D set	1 set	
Suture removal set	1 set	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Foot stool	1	
Desk, 750x1200	1	
Chair, upright, stacking	4	
Counter, 900mm high, w/cabinets		
and drawers below		
Counter, open below		
Table, 400x500	1	
Sink in counter w/ gooseneck spout		
& knee, foot or elbow control	1	
Concealed Floor Drain w/ waterless	1	
trap		

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Cubicle curtain rail	2	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	9	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Outlet, telephone	1	
Smoke detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM** **(Surgery)**	Reference Sheet Number: **OPD-RDS-10B**

TECHNICAL DESIGN DATA:

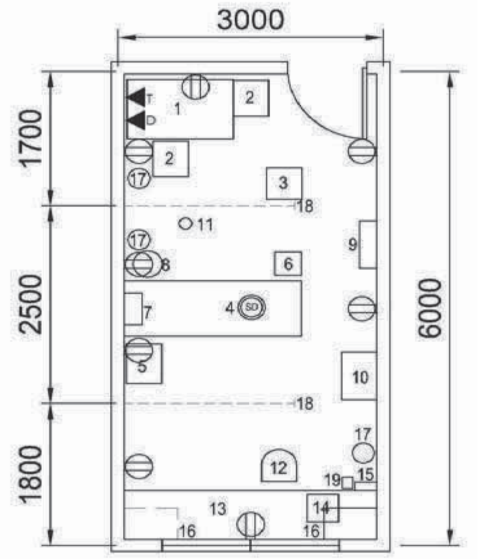
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM** **(Surgery)**	Reference Sheet Number: **OPD-RDS-10C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Table, 400x500
2. Chair, upright, stacking
3. Adult Scale
4. Examining Bed
5. Side Table, 400x500
6. Footstool
7. Paper Towel Dispenser
8. Examining Light
9. Negatoscope
10. Trolley
11. Gooseneck Lamp
12. Adjustable Stool
13. Counter, 900mm high, cabinets and drawers below
14. Sink-in-counter w/ gooseneck spout & foot/elbow control
15. Towel Rack
16. Wall-hung Cabinets
17. Waste Bin
18. Cubicle curtain and rod
19. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM** **(Medicine)**	Reference Sheet Number: **OPD-RDS-11A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient may arrive on foot.
b. Patient may arrive in wheel chair.
c. Transfer patient to/from a wheel chair to examining table and vice versa.
d. Clinical handwashing.
e. Use of monitoring/diagnostic equipment.
f. Medical, surgical, nursing and first aid activities.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Thermometer, non-mercurial	1	
Sphygmomanometer, non-mercurial		
Examining table	1	
Weighing scale w/ rod	1	
Paper towel dispenser	1	
Towel rack		
Opthalmoscope		
Otoscope	1	
Neuro hammer	1	
2-film Negatoscope	1	
Mayo table	1	
Gooseneck lamp	1	
Stethoscope	1	
IV Stand	1	
Punctured-proof container	1	
Waste bins, yellow & black lining	2	

People Involved:

1 x Resident physician
2 x Nurse
1 x Nursing attendant
1 x Patient

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Foot Stool	1	
Desk, 750x1200	1	
Chair, upright, stacking	4	
Counter, 900mm high, w/cabinets and drawers below		
Counter, o en below		
Table, 400x500	1	
Sink in counter w/ gooseneck spout & knee, foot or elbow control	1	
Concealed Floor Drain w/ waterless trap	1	

Planning Relationships:

a. Close to other ancillary services.
b. Close to OPD minor OR.

This activity space provides facilities needed for the delivery of general patient care.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Cubicle curtain rail	2	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	5	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Outlet, telephone	1	
Smoke detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (Medicine)**	Reference Sheet Number: **OPD-RDS-11B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1,000
Volume (cu. M./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (Medicine)**	Reference Sheet Number:

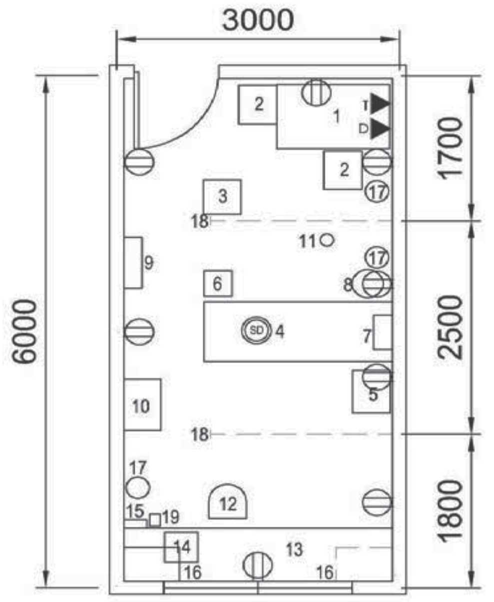
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheel chair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Table, 400x500
2. Chair, upright, stacking
3. Adult Scale
4. Examining Bed
5. Side Table, 400x500
6. Footstool
7. Paper Towel Dispenser
8. Examining Light
9. Negatoscope
10. Trolley
11. Gooseneck Lamp
12. Adjustable Stool
13. Counter, 900mm high, cabinets and drawers below
14. Sink-in-counter w/ gooseneck spout & knee or elbow control
15. Towel Rack
16. Wall-hung Cabinets
17. Waste Bin
18. Cubicle curtain and rod
19. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (ENT)**	Reference Sheet Number: **OPD-RDS-12A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient is ambulatory.
b. Patient may arrive in wheel chair.
c. Transfer patient to/from a wheel chair to examining table and vice versa.
d. Use of monitoring/diagnostic equipment.
e. Medical, surgical, nursing and first aid activities.

People Involved:

1 x Medical specialist
1 x Nurse
1 x Patient

Planning Relationships:

a. Close to OPD consultation rooms.
b. Adjacent to consultation room (Eye).

This activity space provides facilities needed for the delivery of general patient care.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Compressed air and vacuum	1 set	
apparatus	1 set	
ENT instruments	1	
ENT chair - diagnostic	1	
Head mirror	1	
Instrument sterilizer	2	
Sharps collector, punctured-free container	1	
Indirect laryngoscopy	1	
Otoscope	1	
Sphygmomanometer	1	
Weighing scale	1	
Stethoscope, non-mercurial	1	
Surgical set	1 set	
Alligator forcep	1	
ENT endoscopy set	1 set	
Thermometer digital	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Adjustable stool	1	
Supply Cabinet	1	
Table, 400x500	1	
Chair, upright, stacking	3	
Desk, 750x1200	1	
Combination instrument and scrub sink with gooseneck spout	1	
Concealed floor drain, w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Cubicle curtain rail	1	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	10	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke detector	1	
Outlet , telephone	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (ENT)**	Reference Sheet Number: **OPD-RDS-12B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	5,000
Volume (cu. M./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND			
Acceptable sound level (db)	50	Accessible hot surface:	instrument sterilizer
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (ENT)**	Reference Sheet Number: **OPD-RDS-12C**

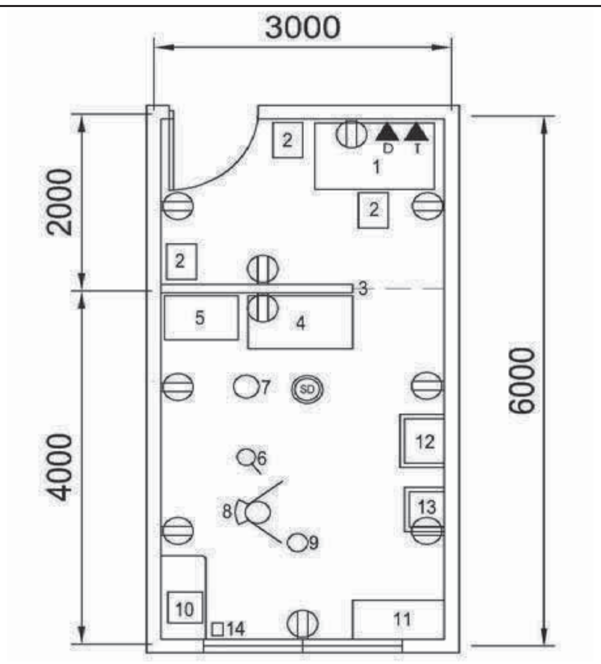
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheel chair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1200
2. Chair, upright, stacking
3. Partition, 1800 high
4. Treatment Table
5. Compressed air and vacuum apparatus
6. Examining light
7. Waste Bin
8. ENT Chair
9. Adjustable stool
10. Sink-in-counter, cabinet below
11. Supply Cabinet
12. Combination instrument and scrub sink w/ gooseneck spout and elbow control
13. Table, 400x500 w/ instrument
14. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (EYE)**	Reference Sheet Number: **OPD-RDS-13A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient is ambulatory.
b. Patient may arrive in wheel chair.
c. Transfer patient to/from a wheel chair to examining table and vice versa.
d. Use of monitoring/diagnostic equipment.
e. Medical, surgical, nursing and first aid activities.
f. OPD is departmentalized clinic.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Sphygmomanometer, non-mercurial	1	
	1	
Examining light	1	
Stethoscope, non-mercurial	1	
Trial lens case	1	
Illuminated test card cabinet	1	
Clock	1	
IV stand	1	
Minor opthalmic set	1	
Trolley	1	
Tonometer	1	
Opthalmic Set	1	
Sneller chart	1	
Office table for doctor	1	
Swivel chair	1/clinic	
Waste Bin, yellow punctured-proof container	2	infectious/ pathological

People Involved:

1 x Resident physician
1 x Medical specialist
1 x Nurse
1 x Patient
1 x Intern
Nursing Affiliates
Clinical Secretary

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Desk, 750x1200	2	1 doctor 1 secretary for OPD clinic
Supply Cabinet	1	
Chair, upright, stacking	3	
Mayo table	1	
Adjustable stool	1	
Specialist's chair	1	
Instrument table	1	
Concealed floor drain w/ waterless trap	1	
Lavatory	1	

Planning Relationships:

a. Close to OPD consultation rooms.
b. Adjacent to consultation room (ENT).

This activity space provides facilities needed for the delivery of general patient care.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	9	grounding type, universal for
Outlet, 10A, 2P, 240V, single	1	emergency light
Outlet, telephone	1	
Smoke detector	1	
ACU Window/Split-Type	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (EYE)**	Reference Sheet Number: **OPD-RDS-13B**

TECHNICAL DESIGN DATA:

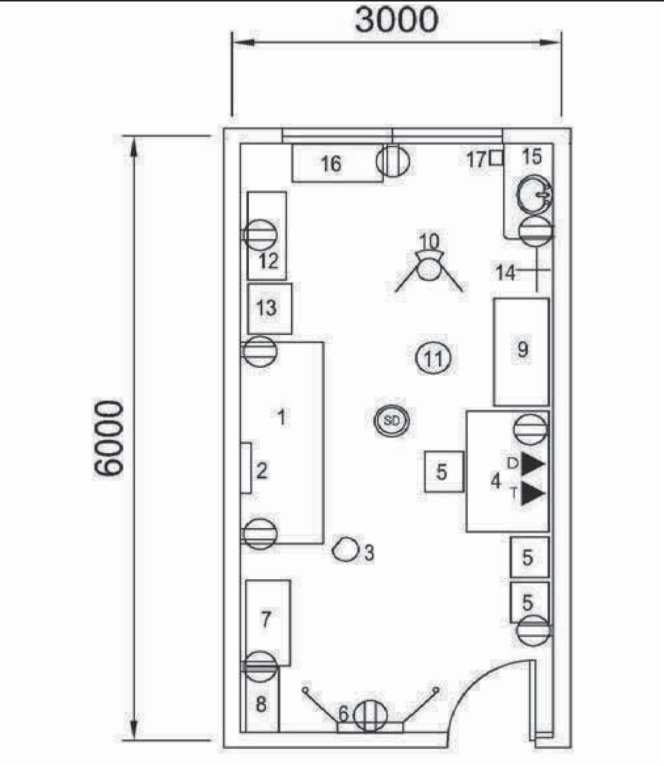
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. M./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (EYE)**	Reference Sheet Number: **OPD-RDS-13C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheel chair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Examining Table
2. Clock
3. IV Stand
4. Desk, 750x1200
5. Chair, upright, stacking
6. Illuminated Test Card Cabinet
7. Trolley
8. Instrument Table
9. Treatment Table
10. Specialist's Chair
11. Adjustable Stool
12. Supply Cabinet
13. Mayo Table
14. Examining Spotlight
15. Lavatory-in-counter, cabinet below
16. Trial Lens Case
17. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (DENTAL)**	Reference Sheet Number: **OPD-RDS-14A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient is ambulatory.
b. Patient may arrive in wheel chair.
c. Patient is examined, diagnosed and treated in a dental chair.
d. Clinical handwashing.
e. Use of monitoring/diagnostic equipment.
f. Dentists perform normal and special dental procedures to treat patients.

People Involved:

1 x Dentist
1 x Dental Aide
1 x Patient

Planning Relationships:

a. Close to other OPD consultation rooms.
b. Close to other ancillary services.

This activity space provides facilities needed for the delivery of general patient care.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste bins, w/ yellow lining	2	infectious and pathological
Dental chair, hydraulic	1	
Amalgamator, electric	1	
Autoclave, portable	2	
Dental unit with monitor	1	
Dental x-ray, wall model	1	
Dental operating light	1	
Developing tank	1	
Compressor	1	
Towel rack	2	
Bane pole, stainless	3	
Coton files sow	2	
Elevator	1	
Gum separator	1	
High-speed hand-piece w/ burr	1	
remover	1	
Surgical chisel	1	
Surgical mallette ronquer	2	
#18 upper molar dental chair unit	1	
Punctured-proof container		

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Desk, 750x1200		
Chair, upright, stacking	1	
Adjustable stool	4	
Dental instrument cabinet	2	
Steel filing cabinet, 500x700	2	
Counter, 900mm high, cabinets below	1	
Lavatory with gooseneck spout and foot		
control, sensor type	1	
Sink in counter, elbow control	1	
Concealed floor drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	4	
Cubicle curtain rail	2	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	13	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke detector	1	
Electronic queing machine, optional	1	
Emergency light	1	
Outlet, Telephone	1	
ACU, window/split-type	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (DENTAL)**	Reference Sheet Number: **OPD-RDS-14B**

TECHNICAL DESIGN DATA:

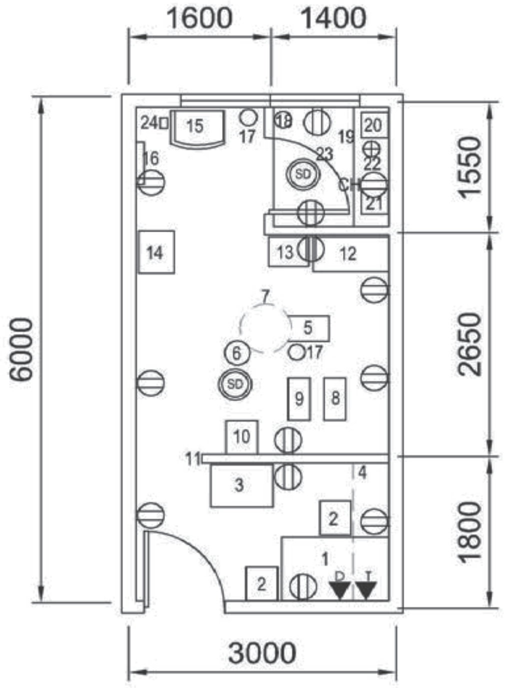
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	5,000 - 10,000
Volume (cu. M./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	heat generating instrument
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink and lavatory
		Maximum temperature (deg. C)	70
		Access limit	medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (DENTAL)**	Reference Sheet Number: **OPD-RDS-14C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C
Hot water	required at sink and lavatory
Cold water	required at sink, lavatory, dentalunit and developing tank
Drainage	required at sink, lavatory, dentalunit and developing tank
Gas	at laboratory
Compressed air	at laboratory
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheel chair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1200
2. Chair, upright, stacking
3. Steel filing cabinet, 500x700
4. Wall-hung cabinet
5. Dental Chair
6. Adjustable stool
7. Operating light, dental
8. Dental unit w/ monitor
9. Dental unit, hydraulic
10. Dental X-ray, wall model
11. Partition, 1800 high
12. Dental instrument cabinet
13. Amalgamator
14. Instrument sterilizer
15. Lavatory w/ gooseneck spout
16. Towel rack
17. Waste Bin
18. Compressor
19. Counter, 900mm high, cabinets below
20. Sink-in-counter, elbow-controlled
21. Developing tank
22. Gas, air and electric outlet
23. Dental laboratory
24. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM** **(Pedia/Under Six)**	Reference Sheet Number: **OPD-RDS-15A**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1,000
Volume (cu. M./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM** **(Pedia/Under Six)**	Reference Sheet Number: **OPD-RDS-15B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1,000
Volume (cu. M./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (Pedia/Under Six)**	Reference Sheet Number: **OPD-RDS-15C**

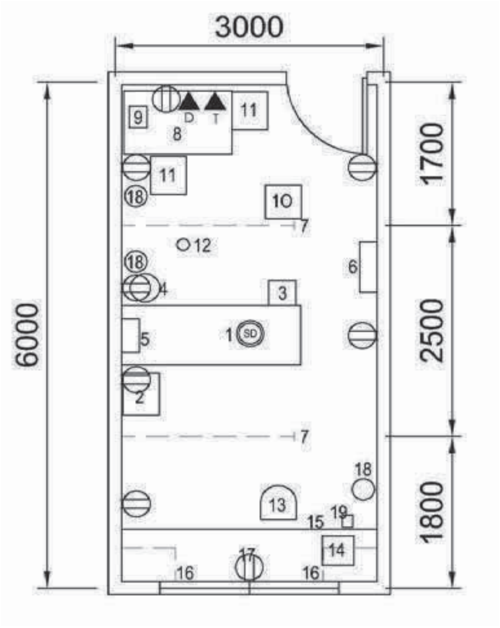
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	N/A

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheel chair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Examining Bed
2. Table, 400x500
3. Foot stool
4. Examining light
5. Paper towel dispenser
6. Negatoscope
7. Cubicle curtain and rod
8. Desk, 750x1200
9. Infant weighing scale
10. Weighing scale w/ rod
11. Chair, upright, stacking
12. Gooseneck lamp
13. Adjustable stool
14. Sink-in-counter w/ gooseneck spout & foot/elbow control
15. Counter, 900mm high, cabinets and drawers below
16. Wall-hung cabinet
17. Counter, open below
18. Waste bin
19. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (OB-Gyne)**	Reference Sheet Number: **OPD-RDS-16A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient may arrive on foot.
b. Patient may arrive in wheel chair.
c. Transfer patient to/from a wheel chair to examining table and vice versa.
d. Clinical handwashing.
e. Use of monitoring/diagnostic equipment.
f. Medical, surgical, nursing and first aid activites.
g. Administration of TT immunization

People Involved:

1 x Resident physician
1 x Nurse
1 x Nursing attendant
1 x Patient

Planning Relationships:

a. Close to other ancillary services.
b. Close to consultation room (pedia/under five).
c. Close to toilet facilities

This activity space provides facilities needed for the delivery of general patient care.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste bins, w/ yellow lining	3	infectious & pathological
Examining light	1	
Examining table w/ stirrups	1	
Weighing scale	1	
Sphygmomanometer, non-mercurial	1	
Paper towel dispenser	1	
Towel rack	1	
Speculum set (vaginal)	1	
Histerometer	1	
Ovum forceps	1	
Stainless container	1	
Trolley	1	
Stethoscope	1	
Kelly pad	1	
NSD Set	1	
Fetal Doppler	1	
Dressing cart w/ accessories	1	
Weighing scale	1	
Puncture-proof container	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Foot stool	1	
Adjustable stool	1	
Desk, 750x1200	1	
Chair, upright, stacking	2	
Counter, 900mm high, cabinets and drawers below		
Table, 400x500	1	
Sink in counter with gooseneck spout and foot control/elbow control	1	
Concealed floor drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Cubicle curtain rail	2	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	10	grounding type, universal
Outlet, 10A, 2P, 240V, single	2	for emergency light
Smoke detector	2	
ACU window/split type	1	
Outlet, telephone	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (OB-Gyne)**	Reference Sheet Number: **OPD-RDS-16B**

TECHNICAL DESIGN DATA:

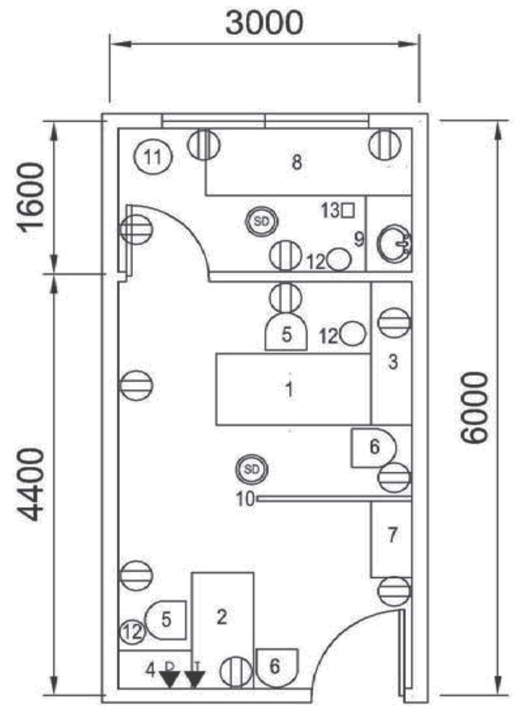
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (OB-Gyne)**	Reference Sheet Number: **OPD-RDS-16C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C
Hot water	required at sink and lavatory
Cold water	required at sink and toilet fixtures
Drainage	provide at sink, toilet fixtures and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheel chair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:
1. Desk, 600x1500
2. Desk, 600x1200
3. Side Extension, 400x1200
4. Side Extension, 400x900
5. Clerical Chair
6. Visitor's Chair
7. Bench, 400x600
8. Examining Table
9. Lavatory-in-counter, cabinet below
10. Partition, 1800 high
11. Linen Hamper
12. Waste Bin
13. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (TB-DOTS)**	Reference Sheet Number: **OPD-RDS-17A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient is ambulatory.
b. Clinical handwashing.
c. Recording and reporting of TB data.
d. Sputum microscopy for diagnosis.
e. Distribution of anti-TB drugs.

People Involved:

1 x Resident physician
1 x Nursing attendant
1 x Patient
1 x Patient's companion

Planning Relationships:

a. Close to other ancillary services.
b. Within the OPD Department but with a separate entrance for the patients.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Stethoscope		
Thermometer, non-mercurial		
Sphygmomanometer, non-mercurial		
Examining Table		
Footstool		
Towel Rack		
Mayo Table		
Gooseneck Lamp	infectious and	
Computer	pathological	
Printer		
Waste bin, foot-controlled		
Puncture-proof container		

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Counter, shelves below		
Screen	1	
Desk, 750x1200	1	
Desk, 600x1200	1	
Swivel Chair, w/ casters	2	
Chair, upright, stacking	4	
Sink-in-counter, cabinets below	1	
Lavatory-in-counter, open below	3	
Counter, 900mm high, cabinets and drawers below		
Filing shelves		
Water Closet w/ bidet	1	
Urinal	1	
	1	
Concealed floor drain w/ waterless strap	3	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	3	
Cubicle curtain rail	2	
Outlet, DATA	2	
Outlet, 10A, 2P, 240V, duplex	20	grounding type, universal slots
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke detector	1	
Outlet, telephone	2	
Exhaust fan	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **CONSULTATION ROOM (TB-DOTS)**	Reference Sheet Number: **OPD-RDS-17B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	10,000
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% at 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	3		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff and patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department:	Room Title: **CONSULTATION ROOM (TB-DOTS)**	Reference Sheet Number: **OPD-RDS-17C**

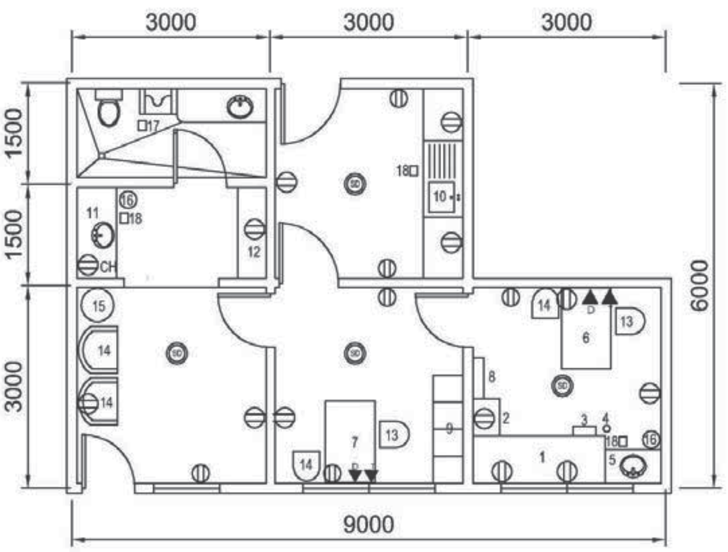
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C
Hot water	N/A
Cold water	plumbing fixtures
Drainage	at plumbing fixtures and floor
Gas	APPLICABLE
Compressed air	APPLICABLE
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	examining table, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Examining Table
2. Mayo Table
3. Footstool
4. Gooseneck Lamp
5. Lavatory-in-counter, cabinets below
6. Desk, 750x1200
7. Desk, 600x1200
8. Screen
9. Filing Shelves
10. Sink w/ drainboard, cabinets and drawers below
11. Lavatory-in-counter, open below
12. Counter, 900mm high, cabinets below
13. Swivel Chair
14. Chair, upright, stacking
15. Side Table
16. Waste Bin
17. Floor Strainer
18. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **STAFF LOUNGE & TOILET**	Reference Sheet Number: **OPD-RDS-18A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. OPD staff make use of toilet facilities.
b. OPD staff eat during breaks.
c. Staff reads, writes and uses telephone.
d. Staff rests while awaiting their shifts.

People Involved:

OPD Staff and Doctors

Planning Relationships:

a. Accessible from all OPD facilities

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Electric fan	1	
Waste Bin w/ black lining	2	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Water closet w/ spray hose	1	
Lavatory	1	
Urinal	1	
Sink-in-counter, cabinet below	1	
Dining table, 750x1500	1	
Dining Chair	6	
Wall-hung Cabinet		
Floor strainer	1	
Concealed floor drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, 10A, 2P, 240V, duplex	5	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	grounding type, universal
Outlet, aircon, split-type	1	
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **STAFF LOUNGE & TOILET**	Reference Sheet Number: **OPD-RDS-18B**

TECHNICAL DESIGN DATA:

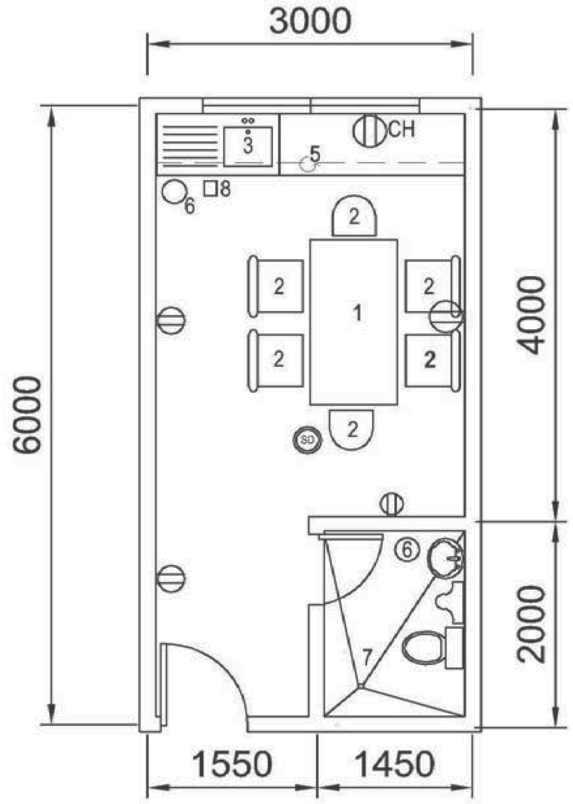
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	N/A
		Access limit	OPD staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **STAFF LOUNGE & TOILET**	Reference Sheet Number: **OPD-RDS-18C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at lavatory
Cold water	required at toilet plumbing fixtures
Drainage	provide at floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Conference Table, 750x1500
2. Conference Chair
3. Sink-in-counter, cabinets below
4. Counter, 900mm high, shelves below
5. Wall-hung Cabinet
6. Waste Bin
7. Floor Strainer
8. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **STAFF LOUNGE & TOILET**	Reference Sheet Number: **OPD-RDS-19A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patients make use of toilet facilities.

People Involved:

Patients

Planning Relationships:

a. Accessible from OPD, Consultation rooms.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste bin, foot-contro!lled	2	infectious
Yellow lining		
Exhaust Fan	2	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Water closet w/ bidet	2	
Lavatory	1	
Lavatory in counter	2	
Urinal	2	
Floor Strainer	3	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	3	
Outlet, 10A, 2P, 240V, duplex		grounding type, universal slots for emergency lights
Outlet, 10A, 2P, 240V, single	2	
Smoke Detector	2	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **PATIENT TOILETS**	Reference Sheet Number: **OPD-RDS-19B**

TECHNICAL DESIGN DATA:

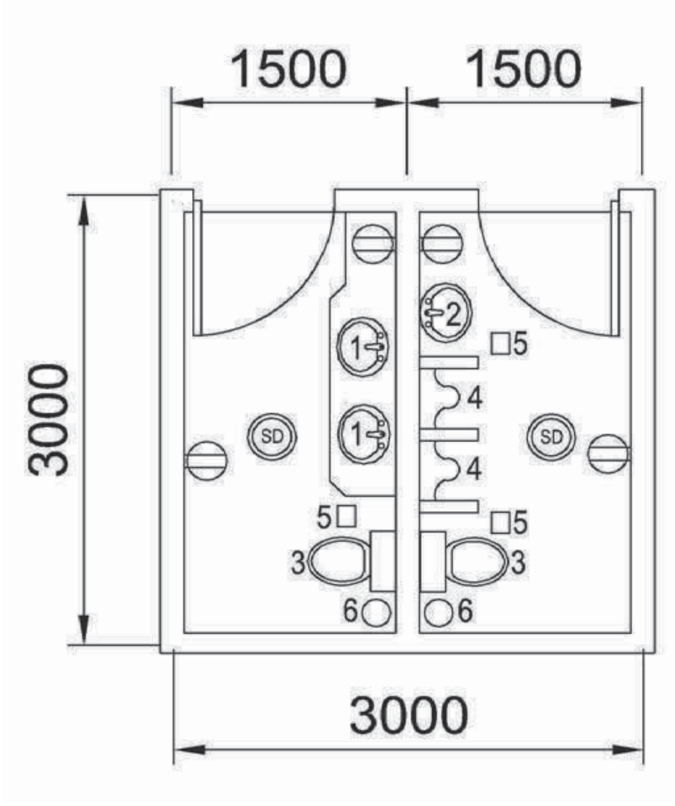
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	85	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	OPD patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **PATIENT TOILETS**	Reference Sheet Number: **OPD-RDS-19C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	required at toilet
Drainage	provide floor drain at toilet
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Lavatory-in-counter, open below
2. Lavatory, wall-hung
3. Water Closet w/ bidet
4. Urinal
5. Floor Strainer
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **PUBLIC TOILET FACILITIES**	Reference Sheet Number: **OPD-RDS-20A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activity/activities:

a. Patient, patient's companions, hospital visitors make use of toilet facilities.

People Involved:

Patients
Patients' Companions
Hospital Visitors

Planning Relationships:

a. Accessible from all OPD facilities.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste bins, foot-controlled	5	yellow interior
Electric fans	3	
Exhaust fans	3	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Water closet w/ spray hose	7	
Lavatory	3	
Lavatory in counter	4	
Slop sink	2	
Urinal	4	
Floor strainer	12	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	3	
Outlet, 10A, 2P, 240V, single	2	for emergency lights grounding type
Outlet, 10A, 2P, 240V, duplex	6	universal
Smoke detector	2	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **PUBLIC TOILET FACILITIES**	Reference Sheet Number: **OPD-RDS-20B**

TECHNICAL DESIGN DATA:

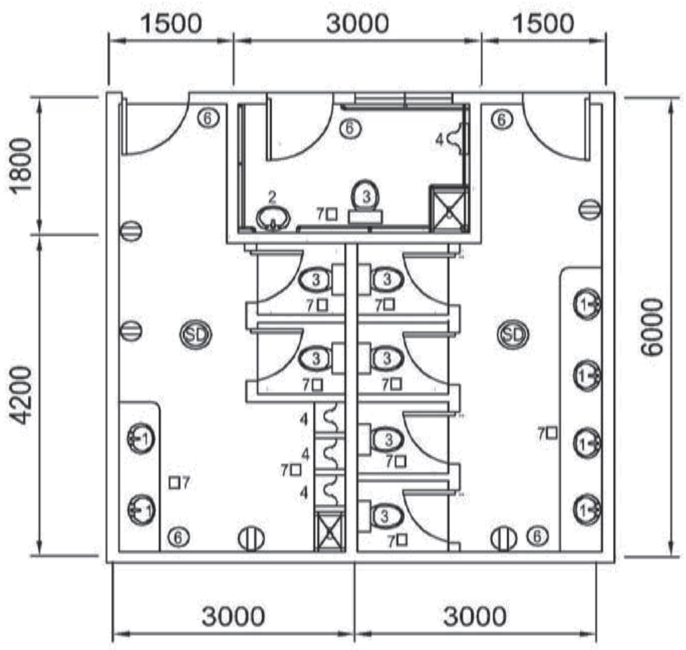
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)		General illumination (LUX)	150
Room temperature (deg. C)		Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)		Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)		Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	general public
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **PUBLIC TOILET FACILITIES**	Reference Sheet Number: **OPD-RDS-20C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	required at toilet
Drainage	provide floor drain at toilet
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access and ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Lavatory-in-counter, open below
2. Lavatory, wall-hung
3. Water Closet w/ spray hose
4. Urinal
5. Slop Sink
6. Waste Bin
7. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

VOLUME 3

STANDARD PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

3.4 ANCILLARY SERVICE FACILITIES

3.4.1 PHARMACY
3.4.2 LABORATORY
3.4.3 RADIOLOGY

Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **ANCILLARY**	Reference Sheet Number: **AN-SFSI-04**

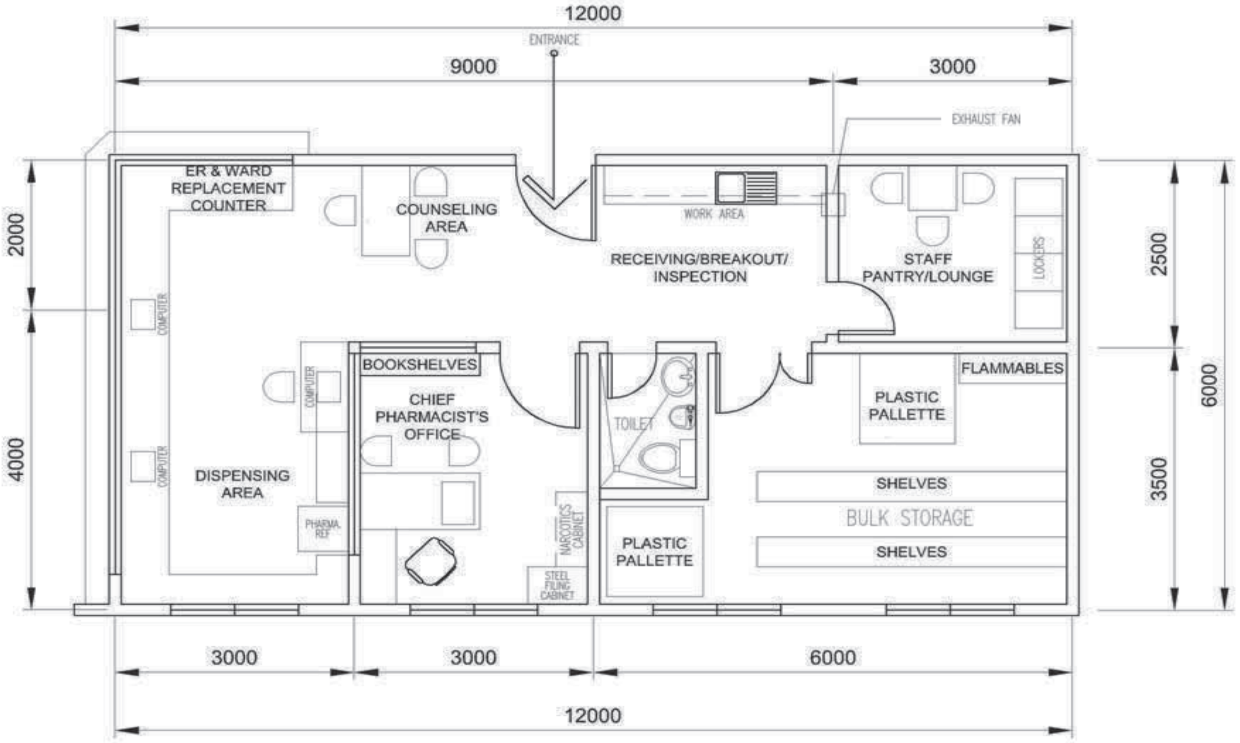
R O O M T I T L E	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
PHARMACY		**74**		
CHIEF PHARMACIST'S OFFICE	13		**PHAR-RDS-01**	**250**
COUNSELING AREA	9.5		**PHAR-RDS-02**	**253**
DISPENSING AREA/DRUG INFORMATION	18		**PHAR-RDS-03**	**256**
RECEIVING/BREAKOUT/INSPECTION AREA	7.5		**PHAR-RDS-04**	**259**
BULK STORAGE	18.5		**PHAR-RDS-05**	**262**
STAFF PANTRY/LOUNGE	7.5		**PHAR-RDS-06**	**265**
LABORATORY		**281.5**		
WAITING AREA	36		**LAB-RDS-01**	**269**
RECEIVING/RELEASING & CLERICAL ROOM	10.5		**LAB-RDS-02**	**272**
PHLEBOTOMY CLINIC	10.5		**LAB-RDS-03**	**275**
PATHOLOGIST'S OFFICE	18		**LAB-RDS-04**	**278**
CONFERENCE ROOM	18		**LAB-RDS-05**	**281**
WORK AREAS :				
CHEMISTRY	10.5		**LAB-RDS-01**	**284**
SEROLOGY/IMMUNOLOGY	10.5		**LAB-RDS-02**	**287**
HEMATOLOGY	10.8		**LAB-RDS-03**	**308**
MICROSCOPY	18		**LAB-RDS-04**	**290**
MICROBIOLOGY/BACTERIOLOGY ROOM	18		**LAB-RDS-05**	**293**
HISTOPATHOLOGY	18		**LAB-RDS-06**	**296**
BLOOD CENTER :				
EXAMINATION AND SCREENING	18		**LAB-RDS-07**	**299**
DONING ROOM	18		**LAB-RDS-08**	**302**
BLOOD BANK	18		**LAB-RDS-09**	**305**
STORAGE/AUTO-CLAVE ROOMS	19		**LAB-RDS-10**	**311**
GLASSWASHING AND STORAGE	7		**LAB-RDS-11**	**314**

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OUTPATIENT**	Room Title: **ANCILLARY**	Reference Sheet Number: **AN-SFSI-04**

ROOM TITLE	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
STAFF PANTRY	5		LAB-RDS-12	317
LOCKER ROOM & TOILET	18		LAB-RDS-13	320
RADIOLOGY		**284.986**		
WAITING AREA	51		RAD-RDS-01	324
PUBLIC M/F TOILETS/JANITOR'S CLOSET	18		RAD-RDS-02	327
STAFF/CLERICAL ROOM	21		RAD-RDS-03	330
CHIEF RADIOLOGIST'S OFFICE	10.5		RAD-RDS-04	333
INTERPRETATION/CONFERENCE ROOM	15.75		RAD-RDS-05	336
FILES ROOM	7		RAD-RDS-06	339
MOBILE X-RAY ROOM	7		RAD-RDS-07	342
ULTRASOUND ROOM	15.75		RAD-RDS-08	345
RADIOGRAPHIC X-RAY ROOM	27.05		RAD-RDS-09	348
DARK ROOM	4.6		RAD-RDS-10	351
CONTROL BOOTH	7.336		RAD-RDS-11	354
RAD-FLUORO X-RAY ROOM	22.5		RAD-RDS-12	357
SUPPLY ROOM	13.2		RAD-RDS-13	360
CT-SCAN	28.8		RAD-RDS-14	363
CONTROL & ELECTRICAL EQUIPMENT BOOTH	18		RAD-RDS-15	366
STAFF PANTRY/LOUNGE/TOILETS	17.5		RAD-RDS-16	369

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Reference Sheet Number: **PHAR-DDS-01A**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **CHIEF PHARMACIST'S OFFICE**	Reference Sheet Number: **PHAR-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Pharmacist reads, writes and uses intercom in his desk. b. Pharmacist stores, files and retrieves records. c. Pharmacist receives visitors. d. Pharmacist develops policies. e. Pharmacist plans and coordinates activities. f. Pharmacist requisitions drugs and medicines for actual procurements. g. Pharmacist maintains and updates dangerous drug book (RA 9165) or the Comprehensive Dangerous Drugs Act of 2002	Computer w/ printer Waste Bin w/ black lining Waste Bin w/yellow lining	1 1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Pharmacist	Desk, 750x1500 Junior Executive Chair Visitor's Chair Steel filing cabinet, 500x700 Book shelf, 300x1500 Desk Return (extension) Wall-mounted cabinet w/ lock for narcotic drugs Lavatory Urinal Water Closet w/ spray hose Floor Strainer	1 1 2 1 1 1 1 1 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Distribution Area. b. Close to Patient Dispensing Area. c. Close to Staff Area.	Window blinds Outlet, DATA Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke detector Outlet, telephone	2 1 7 1 1 1	 grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **CHIEF PHARMACIST'S OFFICE**	Reference Sheet Number: **PHAR-RDS-01B**

TECHNICAL DESIGN DATA:

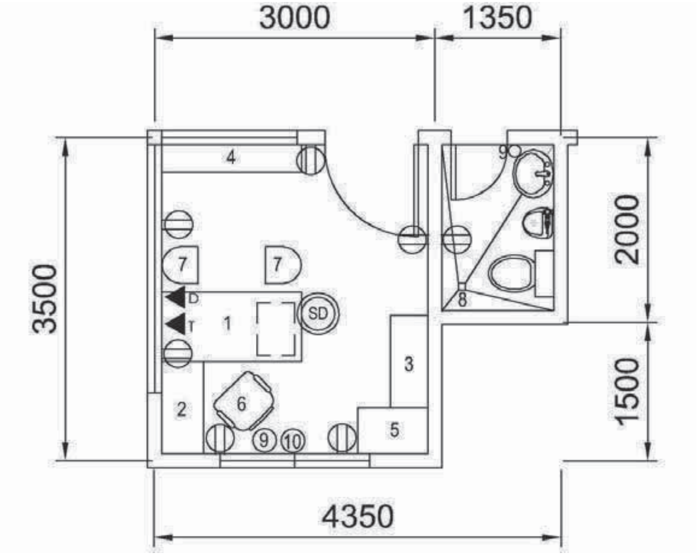
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL:desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential :DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.7		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	NA	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	pharmacist, hosp. staff & visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **CHIEF PHARMACIST'S OFFICE**	Reference Sheet Number: **PHAR-RDS-01C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: D,G
Hot water	N/A
Cold water	at plumbing fixtures
Drainage	at toilet floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	ESSENTIAL: desirable: unnecessary

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1500
2. Desk Return (extension), 400x900
3. Cabinet (for narcotics), 400x1200
4. Book Shelves, 300x1500
5. Steel Filing Cabinet
6. Junior Executive Chair
7. Visitor's Chair
8. Floor Strainer
9. Waste Bin, general
10. Waste Bin, pharmaceutical

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **COUNSELING AREA**	Reference Sheet Number: **PHAR-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Pharmacist evaluates the appropriateness of the drug therapy being used by the patient.
b. Pharmacist recommends compliance of the patient with the treatment regimen.
c. Pharmacist advises the patient to understand his/her illness and its treatment.
d. Pharmacist gives the patient instructions about the proper use of the medication and knowledge about its side effects.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Computer with printer	1	
Waste Bin w/ black or colorless lining	1	

People Involved:

1x Pharmacist

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Desk, 600x1200	1	
Chair, upright, stacking	2	
Clerical Chair	1	

Planning Relationships:

a. Close to Patient Dispensing Area.
b. Close to Chief Pharmacist's Office.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A,2P,240V, duplex	3	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Outlet, DATA	1	
Outlet, telephone	1	
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **COUNSELING AREA**	Reference Sheet Number: **PHAR-RDS-02B**

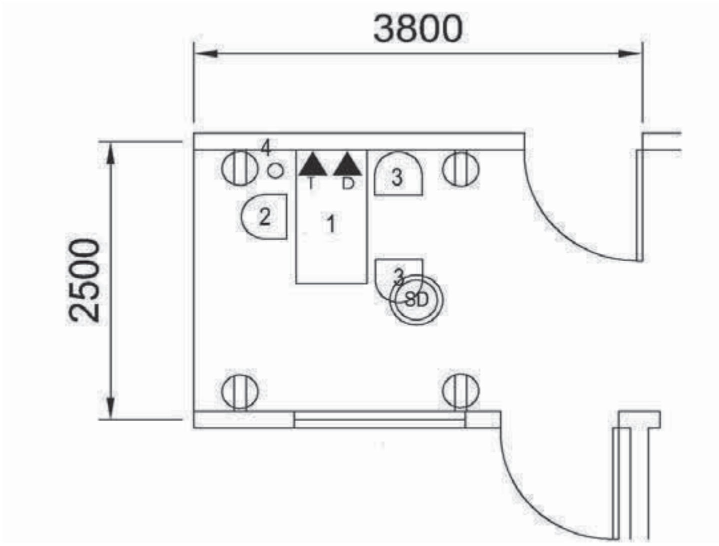
TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.65		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	pharmacist, patient & companion
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **COUNSELING AREA**	Reference Sheet Number: **PHAR-RDS-02C**

TECHNICAL DESIGN DATA:	
DIRECT SERVICES	**DESIGN DATA**
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1200
2. Clerical Chair
3. Chair, upright, stacking
4. Waste Bin w/ black or colorless lining

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **DISPENSING AREA & DRUG INFORMATION**	Reference Sheet Number: **PHAR-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Screens, fills, dispense drugs, medicines and biological. b. Supplies floor stocks towards and other treatment areas c. Provides drug information services. d. Preparation of I.V. admixtures. e. Displays stocks to respective shelves.	Pharmaceutical refrigerator with freezer	1	
	Computer w/ printer	1	
	Waste Bin w/ yellow lining	1	
	Waste Bin w/ black lining	1	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 2 x Pharmacist 1 x Pharmacy Aide	Stool	2	
	Open shelving		
	Transaction counter w/ 600mm deep, cabinets & shelves below.	1	
	Glass partition w/ transaction windows		
	Computer table, w/ printer, counter-mounted	2	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Inpatient Nursing Wards. b. Close to OPD and ER.	Window curtain rail	1	
	Outlet, DATA	1	
	Outlet, 10A, 2P, 240V, duplex	8	grounding type universal
	Smoke detector	1	
	Pharma Ref. outlet	1	
	Outlet, telephone	1	
	Outlet, 10A, 2P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **DISPENSING AREA & DRUG INFORMATION**	Reference Sheet Number: **PHAR-RDS-03B**

TECHNICAL DESIGN DATA:

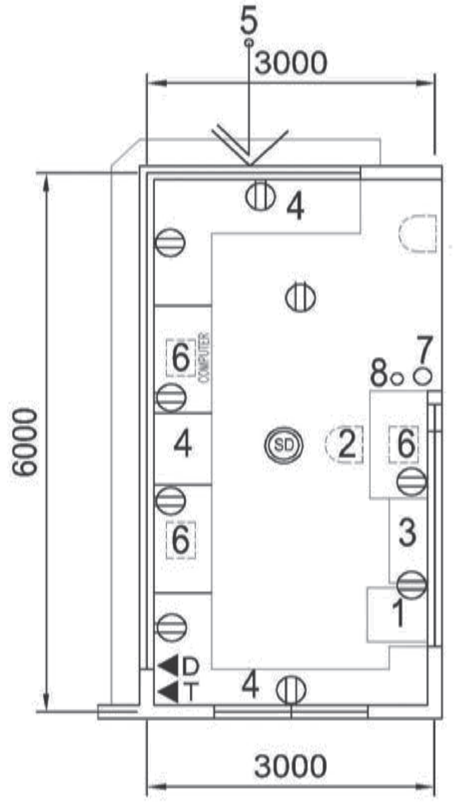
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	pharmacy staff
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **DISPENSING AREA & DRUG INFORMATION**	Reference Sheet Number: **PHAR-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: D, G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light : MEDIUM : heavy
Spillage	light : MEDIUM : heavy
Foot traffic	light : MEDIUM : heavy
Wheel traffic	light : MEDIUM : heavy
Impacts	LIGHT : medium : heavy
Abrasion	LIGHT : medium : heavy
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable : unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Pharmaceutical Refrigerator w/ Freezer
2. Stool
3. Open Shelving
4. Transaction Counter w/ 300mm deep cabinets & shelves below
5. Glass Partition w/ Transaction Windows
6. Computer Table w/ Printer, counter-mounted
7. Waste Bin, pharmaceutical
8. Waste Bin, general

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **RECEIVING/ BREAKOUT/ INSPECTION AREA**	Reference Sheet Number: **PHAR-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Pharmacist receives/inspects pharmaceutical & biological deliveries.	Exhaust Fan	1	
b. Records data of deliveries in the stock cards.	Waste Bin w/ yellow lining	1	
c. Records data of stocks transferred from bulk storage to the active storage.	Waste Bin w/ black or colorless lining	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Pharmacist	Counter, 740mm high, cabinets below	1	
1 x Storekeeper	Sink-in-counter, w/ drainboard	1	
	Chair, upright, stacking	1	
	Wall-hung Cabinets		
	Concealed Floor Drain w/ waterless trap	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Bulk Storage.	Outlet, 10A, 2P, 240V, duplex	3	grounding type, universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **RECEIVING/ BREAKOUT/ INSPECTION AREA**	Reference Sheet Number: **PHAR-RDS-04B**

TECHNICAL DESIGN DATA:

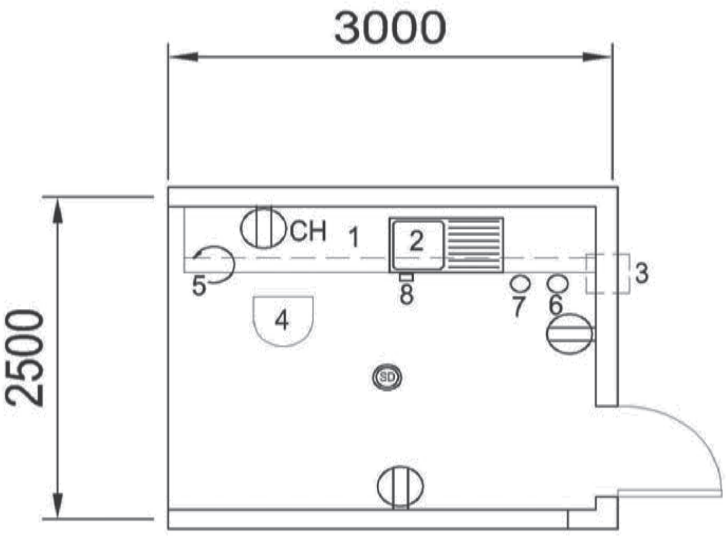
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable : unnecessary
Pressure Differential :		Emergency light	ESSENTIAL:desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	pharmacy staff; delivery; COA
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **RECEIVING/ BREAKOUT/ INSPECTION AREA**	Reference Sheet Number: **PHAR-RDS-04C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: D, G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: medium: HEAVY
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	light: MEDIUM: heavy
Abrasion	slight: OCCASIONAL: frequent
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Counter, 740mm high, cabinets below.
2. Sink-in-counter, w/ drainboard
3. Exhaust Fan
4. Chair, upright, stacking
5. Wall-hung cabinets
6. Waste Bin, pharmaceutical
7. Waste Bin, general
8. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **BULK STORAGE**	Reference Sheet Number: **PHAR-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of pharmaceuticals.	Plastic palletes Waste Bin w/ yellow lining Waste Bin w/ black or colorless lining	2 1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Pharmacist 1 x Utility Worker	Shelving, adjustable, rail mounted	3	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Receiving / Breakout / Inspection Area	Outlet, 10A, 2P, 240V duplex Outlet, 10A, 2P, 240V, single Smoke Detector	8 1 1	grounding type universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **BULK STORAGE**	Reference Sheet Number: **PHAR-RDS-05B**

TECHNICAL DESIGN DATA:

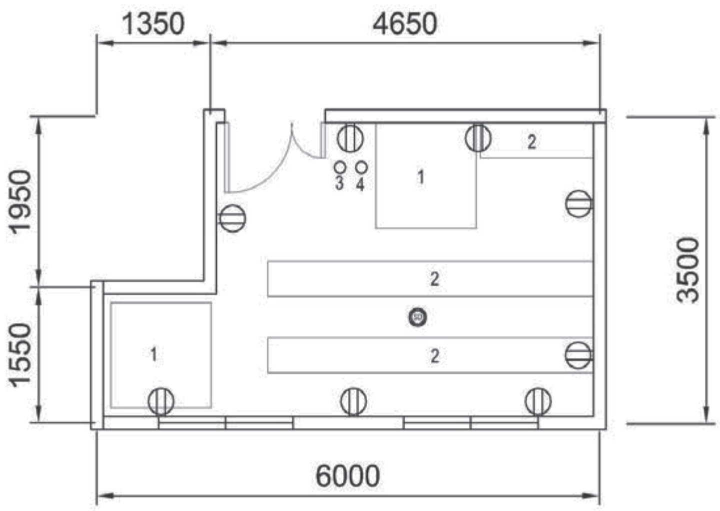
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: desirable : UNNECESSARY
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable : unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	pharmacy staff
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **BULK STORAGE**	Reference Sheet Number: **PHAR-RDS-05C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: D, G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: medium: HEAVY
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: medium: HEAVY
Impacts	slight: occasional : FREQUENT
Abrasion	LIGHT: medium : heavy
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door, fire-rated (1.20mts. Door width)
Windows	clear, solar control, w/ security grill
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Plastic palletes
2. Shelving, adjustable, rail mounted
3. Waste Bin, pharmaceutical
4. Waste Bin, general

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **STAFF PANTRY/LOUNGE**	Reference Sheet Number: **PHAR-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Pharmacy staff eat their meals. b. Pharmacy staff rests and stores clothings and other belongings at the lockers. c. Staff do clean-up activities.	Computer with printer Waste Bin w/ black lining Waste Bin w/ green lining	1 1 1	 non-biodegradable biodegradable
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Pharmacy Staff	Square DiningTable, 800x800 Chair, upright, stacking Steel Lockers Sink w/ drainboard Concealed floor drain w/ waterless trap	1 2 4 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Pharmacy Department.	Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	3 1 1	grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **STAFF PANTRY/LOUNGE**	Reference Sheet Number: **PHAR-RDS-06B**

TECHNICAL DESIGN DATA:

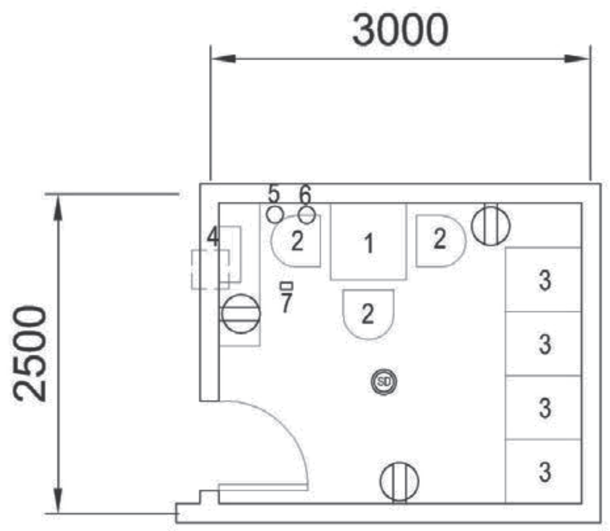
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential:DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	pharmacy staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PHARMACY**	Room Title: **STAFF PANTRY/LOUNGE**	Reference Sheet Number: **PHAR-RDS-06C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	at sink
Drainage	at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Square Dining Table, 800x800
2. Dining Chair
3. Steel Lockers
4. Sink w/ drainboard
5. Waste Bin, general/non-biodegradable
6. Waste Bin, general/biodegradable
7. Concealed Floor Drain

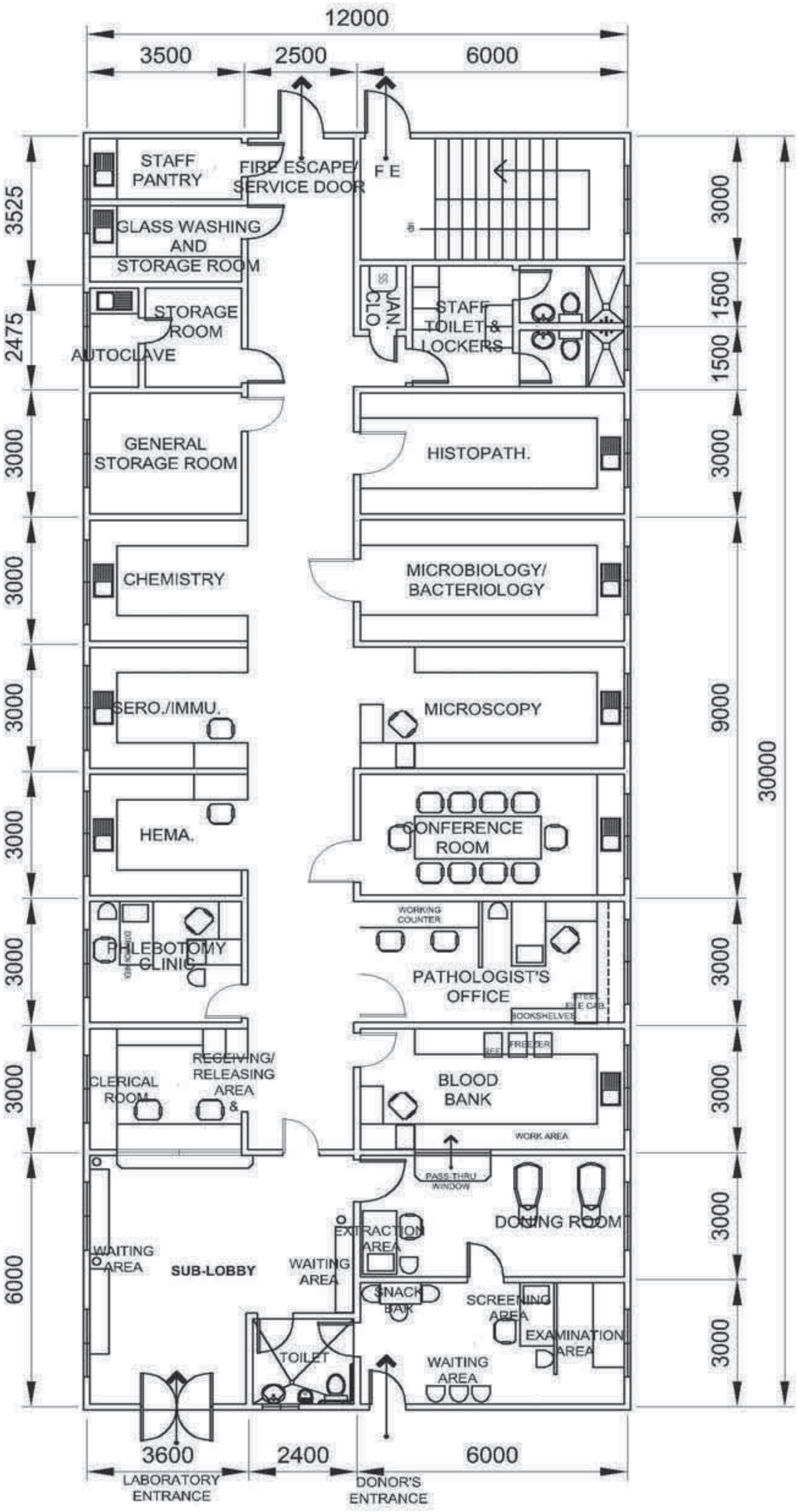
SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2014	Department: LABORATORY	Reference Sheet Number: LAB-DDS-01B

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **WAITING AREA**	Reference Sheet Number: **LAB-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Patients await their turns to be examined attended to by Medical Laboratory Aide. b. Patients/Donors await their turns for their blood to be extracted. c. Patients submit specimen to be examined. d. Patients await the release of their examination results.	Television E-queing System Paging System Clock Ceiling Fan Aircon Waste Bin w/ black or colorless lining	1 1 1 1 2 1 2	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Medical Laboratory Aide Patients/Relatives	3-Seater Gang Chair Waste Bin Water Closet w/ spray hose Lavatory Urinal Floor Strainer	3 2 1 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Blood Donor's Room. b. Close to Pathologist's Office.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet for Television Outlet for Ceiling Fan Outlet, DATA Outlet, telephone Outlet for Electronic-Queing System (EQS) Smoke Detector ACU, window/split-type Outlet, 10A, 2P, 240V, single	1 10 1 2 1 1 1 1 1 1	 grounding type, universal ionization type for emergency light only

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **WAITING AREA**	Reference Sheet Number: **LAB-RDS-01B**

TECHNICAL DESIGN DATA:

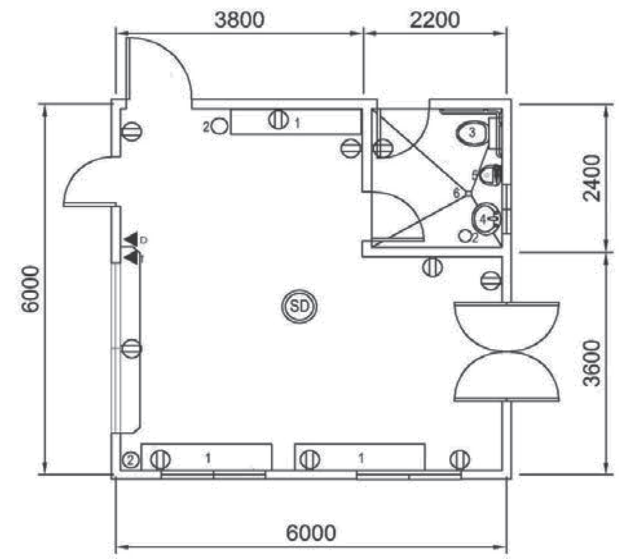
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	50
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	N/A	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	N/A	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Presure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Laboratory staff & general public
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **WAITING AREA**	Reference Sheet Number: **LAB-RDS-01C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures & floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	wheel chair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Bench/Gang Chair
2. Waste Bin
3. Water Closet w/ spray hose
4. Lavatory
5. Urinal
6. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **RECEIVING/RELEASING & CLERICAL ROOM**	Reference Sheet Number: **LAB-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Medical Laboratory Aide attends to patients. b. Laboratory Staff receives specimen to be examined. c. Laboratory Staff stores, files and retrieves records. d. Laboratory Staff releases examination results to patients.	Waste Bin w/ black lining Computer w/ Printer Intercom Telephone Aircon Clock	2 1 1 1 1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Medical Laboratory Aide 1 x Clerk Patients/Relatives	Revolving Stool Computer table, 400x800 Receiving/Releasing Counter Steel filing cabinet, 500 x 700 Counter, 900mm high, shelves below	2 2 2 2	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Pathologist's Office. b. Accessible to Blood Donor's Room. c. Close to Main Laboratory.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke detector Outlet, Telephone Outlet, DATA	1 6 1 1 1 1	 grounding type, universal for emergency light desktop wall-mounted

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **RECEIVING/RELEASING & CLERICAL ROOM**	Reference Sheet Number: **LAB-RDS-02B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg.C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	30	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Presure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.7		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Laboratory staff and visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **RECEIVING/RELEASING & CLERICAL ROOM**	Reference Sheet Number: **LAB-RDS-02C**

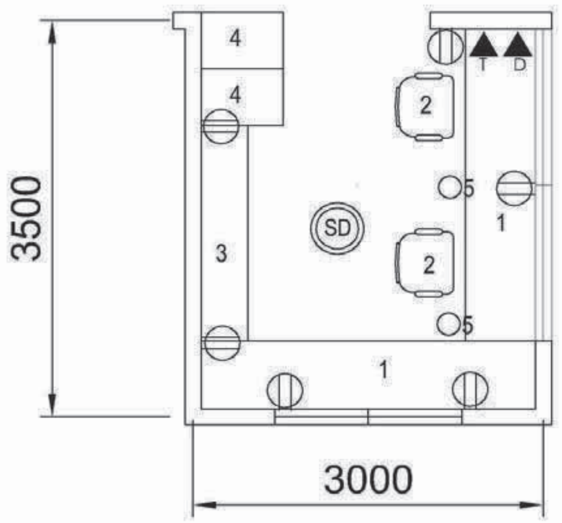
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	LIGHT : medium : heavy
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear
Internal Glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Receiving/Releasing Counter, open & w/ shelves below
2. Revolving Stool
3. Counter, 900mm high, shelves below
4. Steel Filing Cabinet, 500x700
5. Waste Bin, general

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **PHLEBOTOMY CLINIC**	Reference Sheet Number: **LAB-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Extraction of blood.	Waste Bin w/ black lining	2	non-biodegradable
	Waste Bin w/ yellow lining	1	infectious
	Sharps collector	1	
	Puncture-proof container	1	
	Airconditioning Unit	1	
	Television		
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Medical Technologist	Bed, 750x1900	1	
1 x Laboratory Technician	Desk, 750x1200	1	
1 x Patient	Adjustable Swivel Chair	1	
	Stool	1	
	Footstool	1	
	Desk Return (extension) 400x900	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Waiting Area.	Window curtain rail	1	
b. Close to Pathologist's Room.	Outlet, 10A, 2P, 240V, duplex	7	grounding type universal
c. Close to Receiving Area.			
d. Adjacent to Screening Area.	Outlet, aircon	1	
	Outlet, TV	1	
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Smoke Detector	1	
	Outlet, DATA	1	
	Outlet, telephone	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **PHLEBOTOMY CLINIC**	Reference Sheet Number: **LAB-RDS-03B**

TECHNICAL DESIGN DATA:

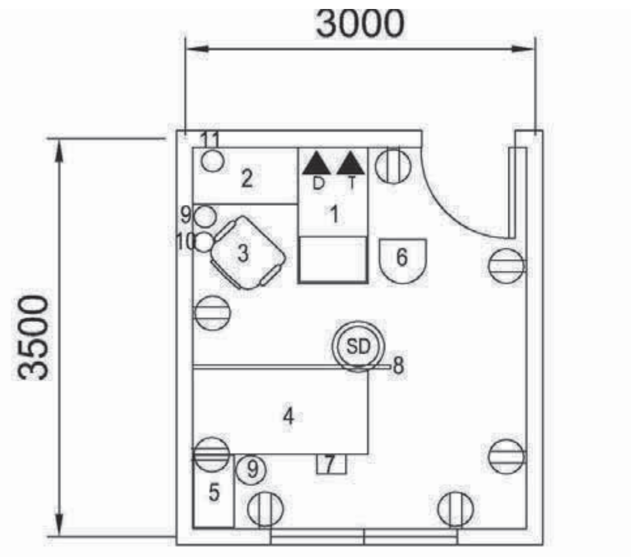
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu. m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Presure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.7		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Laboratory staff & patients
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **PHLEBOTOMY CLINIC**	Reference Sheet Number: **LAB-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1200
2. Desk Return (extension), 400x900
3. Adjustable Swivel Chair
4. Bed, 750x1900
5. Side Cabinet
6. Chair, stacking w/ armchair
7. Footstool
8. Low Partition, 1800mm high
9. Waste Bin, general
10. Waste Bin, infectious
11. Puncture-proof container

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **PATHOLOGIST'S OFFICE**	Reference Sheet Number: **LAB-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Pathologist reads, writes, examines history path samples and uses telephone in his desk. b. Pathologist stores, files and retrieves records. c. Pathologist receives visitors.	Computer w/ Printer	1	
	Microscope	1	
	Telephone	1	
	Water Dispenser	1	
	Waste Bin w/ black or colorless lining	3	non-biodegradable
	Waste Bin w/ yellow lining	1	pathological
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 1 x Pathologist Visitors/Consultants 1 x Registered Medical Technologist	Desk, 600 x 1200	1	
	Revolving Chair	3	
	Visitor's Chair	1	
	Desk Return (Extension), 400x900 below.	1	
	Steel filing cabinet, 500x700	1	
	Book Shelves, 350x1400	1	
	Working Counter, 600x1800	2	
	Wall-hung Cabinet	1	
	Low-partition, 1800mm high	1	
Planning Relationships.	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Waiting Area/Receiving Area. b. Close to Main Labratory. c. Adjacent to Donor's Screening Area.	Window curtain rail	1	
	Outlet, 10A, 2P, 240V, duplex	8	grounding type, universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, DATA	1	wall-mounted
	Outlet, telephone	1	desktop
	Smoke Detector	1	ionization type
	Outlet, airconditioning unit	1	window/split-type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **PATHOLOGIST'S OFFICE**	Reference Sheet Number: **LAB-RDS-04B**

TECHNICAL DESIGN DATA:

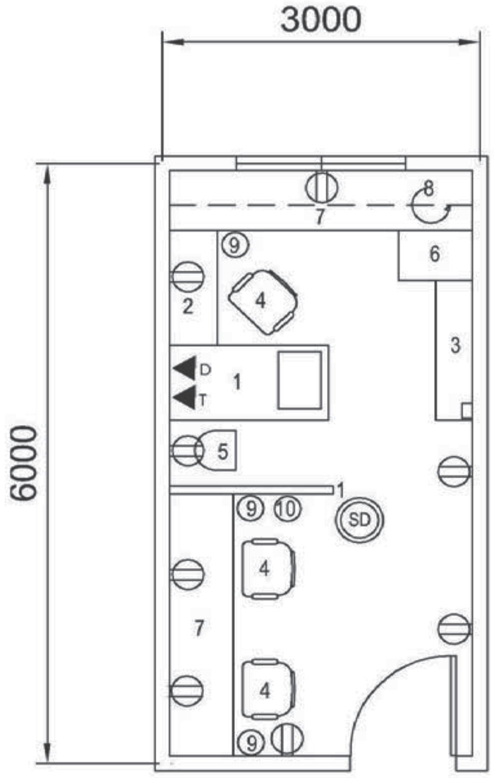
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	essential :DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	pathologist and visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **PATHOLOGIST'S OFFICE**	Reference Sheet Number: **LAB-RDS-04C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: C, G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1200
2. Desk Return (extension), 400x900
3. Book Shelves, 350x1400
4. Revolving Chair
5. Visitor's Chair
6. Steel filing cabinet, 500x700
7. Working Counter, 600x2800
8. Wall-hung Cabinet
9. Waste Bin, general
10. Waste Bin, pathological

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:
Revised Rules and Regulations governing the licensure and regulation of clinical laboratories in the Philippines, Administrative Order No. 2007-0027, Dated August 22, 2007

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **LAB-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Pathologist meets with Medical Technologist and Medical Laboratory Technician/Laboratory Aides, staff and patient's relatives.	White Board, 1200x2400	1	
	Wall Clock	1	
b. Pathologist interprets laboratory results.	LCD Projector		built-in
c. Forum for information sharing and discussion of common laboratory procedures.	Airconditioning Unit	1	
	Computer		
	Glass Board	1	
	Waste Bin w/ black or colorless lining	1	

People Involved:	FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
1 x Pathologist	Conference Table, 900x2400	1	
Medical Technologist	Conference Chair	10	
Medical Technician	Sink-in-counter, cabinets below	1	
Physicians	Concealed Floor drain w/ waterless trap	1	
Hospital Staff			
Companion/ Watcher			

Planning Relationships:	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
a. Close to Pathologist's office and staff.	Window curtain rail	1	
	Outlet, 10A, 2P, 240V, duplex	2	grounding type, universal slots
	Outlet, 10A, 2P,240V, single	1	for emergency light
	Outlet, telephone	1	
	Outlet, DATA	1	
	Smoke Detector	1	
	Airconditioning Unit	1	window or split-type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **LAB-RDS-05B**

TECHNICAL DESIGN DATA:

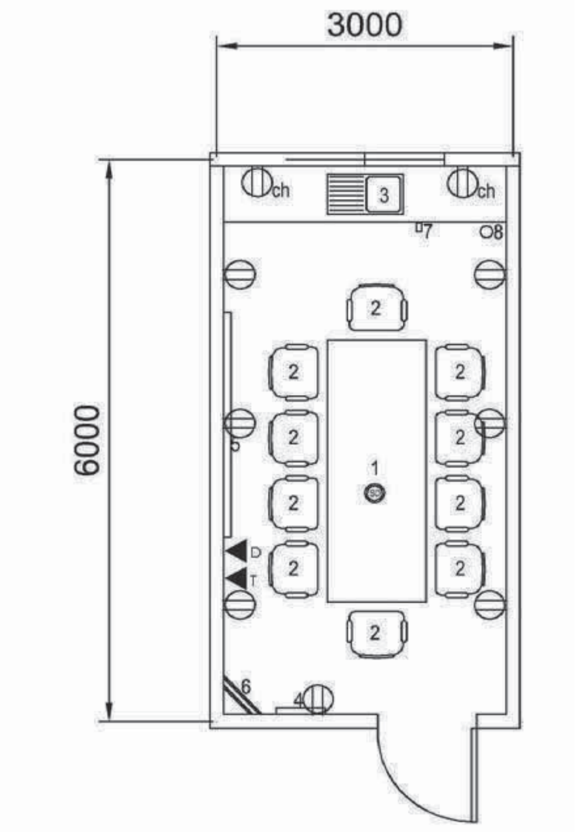
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTNING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Presure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Laboratory staff & visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **LAB-RDS-05C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at sink
Drainage	required at floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL : desirable: unnecessary
Door set	ordinary access door
Windows	clear, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Conference Table, 900x2400
2. Conference Chair
3. Sink-in-counter, cabinets below
4. Glass Box
5. White Board
6. LCD Projector
7. Concealed Floor Drain
8. Waste Bin, general

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:
Revised Rules and Regulations governing the licensure and regulation of clinical laboratories in the Philippines, Administrative Order No. 2007-0027, Dated August 22, 2007

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **CHEMISTRY**	Reference Sheet Number: **LAB-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Microscopic & biochemistry examinations.
b. Clinical analysis, titrations & other procedures.
c. Clinical handwashing.

People Involved:

2 (Urinalysis)
2 (Biochemistry)
1 x Registered Medical Technologist
1 x Medical Laboratory Technician
1 x Laboratory Aide

Planning Relationships:

a. Close to Histopathology Section.
b. Close to Hematology Section.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Urine analyzer	1	
Cup sink	2	
Utility sink	1	
Refrigerator, 8 cu.ft.	1	
Exhaust air grills	1	
Clinical centrifuge	1	
Microscope	1	
Chemistry analyzer	1	
Electrolyte analyzer	1	
Pipetor	1 set	
Puncture-proof Container	1	
Waste Bin w/ yellow lining	3	infectious pathological chemical

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Counter, 750mm high, open below		
Counter, 750mm high, cabinets below w/ adjustable shelves.		
Table for instrument	1	
Stool	2	
Non-corrosive metal pegboards	1	
Non-corrosive metal work surface		
Wall cabinet		
Counter, 750mm high, drawers and adjustable shelves below.		
Utility Sink w/ Drainboard	1	
Cup Sink	1	
Concealed Floor Drain w/ waterless trap	2	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, 10A, 2P, 240V, duplex	6	grounding type, universal slots
Outlet, 10A, 2P, 240V, single	1	grounding type, universal for emergency light along the corridor
Smoke Detector	1	
Airconditioning Unit	1	window or split-type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **CHEMISTRY**	Reference Sheet Number: **LAB-RDS-06B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	2.5	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.7		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	Laboratory staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **CHEMISTRY**	Reference Sheet Number: **LAB-RDS-06C**

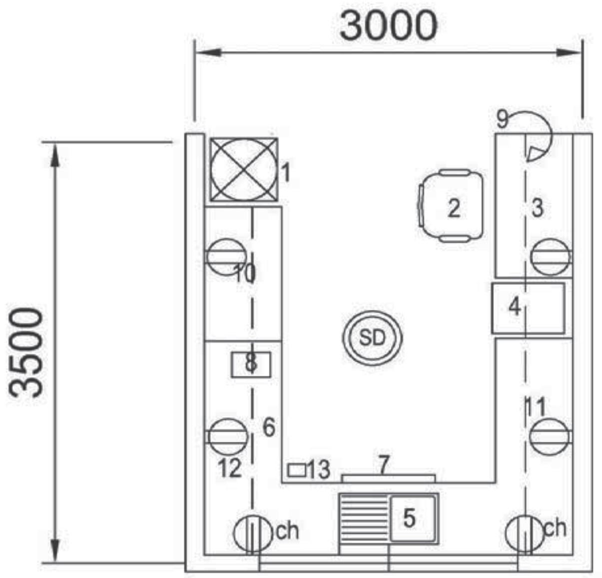
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C, E
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	LIGHT: medium: heavy
Spillage	slight : OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	tinted, solar control
Internal glazing	tinted glass

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Clinical Centrifuge
2. Stool/High Chair
3. Counter, 750mm high, open below
4. Refrigerator, 8 cu.ft.
5. Utility Sink w/ drainboard
6. Counter, 750mm high, cabinets below w/ adjustable shelves
7. Exhaust Air Grilles
8. Cup Sink
9. Wall-hung Cabinets
10. Table for instrument
11. Counter, 750mm high, drawers and adjustable shelves below
12. Non-corrosive metal work surface
13. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

REGULATIONS AND NOTES:
Provide Materials Safety data sheets or MSDS for safety of personnel/ staff: Revised Rules and Regulations governing the licensure and regulation of clinical laboratories in the Philippines, Administrative Order No. 2007-0027, Dated August 22, 2007

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **SEROLOGY/IMMUNOLOGY**	Reference Sheet Number: **LAB-RDS-07A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
	VDRL Rotator	1	
a. Testing of blood for serological test.	Vortex Mixer	1	
	Microscope	1	
	Clock	1	
	Clinical Centrifuge	1	
	Computer with Printer	1	
	Airconditioning Unit	1	
	Pipette Stand	1	
	Pipettor Set	1 set	
	Timer	1	
	Elisa Reader	1	
	Elisa Washer	1	
	Elisa Incubator	1	
	Waste Bin w/ yellow lining	3	infectious, pathological and chemical
	Puncture-proof container	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
2 x Registered Medical Technologist (RMT)	High Chair	1	
1 x Medical Laboratory Technician	Table	1	
1 x Laboratory Aide	Counter, 900mm high, cabinets below w/ adjustable shelves		
	Non-corrosive metal pegboards above drainboard		
	Wall Cabinet		
	Counter, 900mm high, drawers and adjustable shelves below		
	Sink in counter w/ drainboard	1	
	Concealed Floor Drain w/ waterless trap	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Histopathology Section	Window curtain rail	2	
b. Close to Hematology Section	Outlet, 10A,2P,240V, duplex	5	grounding type, universal slots
c. Adjacent to Clerical Room	Outlet, 15A, 2P, 240V, single	1	grounding type, universal for E. L.
	Outlet for machines	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **MICROBIOLOGY/BACTERIOLOGY ROOM**	Reference Sheet Number: **LAB-RDS-07B**

TECHNICAL DESIGN DATA:

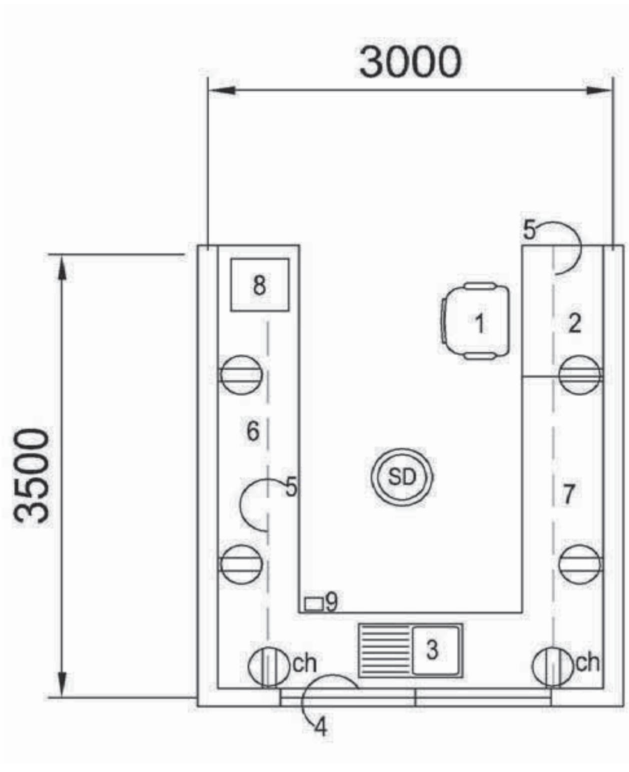
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE : unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable : unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable : unnecessary
Negative Pressure (Pa)	2.5	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	Autoclave
Speech privacy	essential: DESIRABLE : unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	Laboratory staff
		Fire risk	low: MEDIUM: high
		Other risks	exposure to hazardous elements

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **SEROLOGY/IMMUNOLOGY**	Reference Sheet Number: **LAB-RDS-07C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C, E
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	LIGHT: medium: heavy
Spillage	slight: OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Stool/High Chair
2. Table, 600x1200
3. Sink-in-counter w/ drainboard, cabinets below
4. Non-corrosive metal pegboards above drainboard
5. Wall-hung cabinets
6. Counter, 900mm high, drawers & cabinets below
7. Counter, 900mm high, drawers & adjustable shelves below
8. Incubator
9. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **MICROSCOPY**	Reference Sheet Number: **LAB-RDS-08A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Viewing of samples and objects that cannot be seen by the naked eye.
b. Processing and staining of tissues/samples.
c. Clinical handwashing.
d. Examination of surgical and autopsy specimens.

People Involved:

1 x Registered Medical Technologist (RMT)
1 x Microscopist

Planning Relationships:

a. Close to Histopathology Section.
b. Close to Microbiology/ Bacteriology Section.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Clinical microscope	1	
Analytical balance	1	
Exhaust hood	1	
Exhaust air grills	1	
Carbon dioxide cylinder	1	
Gas cylinder	1	
Centrifuge	1	
Puncture-proof Container	1	
Waste Bin w/ yellow lining	3	infectious pathological

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Counter, 750mm high, open below		
Counter, 750mm high, cabinets below w/ adjustable shelves.		
Table for instrument	1	
Stool	2	
Non-corrosive metal pegboards	1	
Non-corrosive metal work surface		
Wall-hung cabinet		
Counter, 750mm high, drawers and adjustable shelves below.		
Utility Sink	2	
Staining Sink	1	
Sink w/ drainboard	1	
Concealed Floor Drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, 10A, 2P, 240V, duplex	4	grounding type, universal slots
Outlet, 10A, 2P, 240V, single	1	grounding type, universal for E.L
Smoke Detector	1	along corridor

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **MICROSCOPY**	Reference Sheet Number: **LAB-RDS-08B**

TECHNICAL DESIGN DATA:

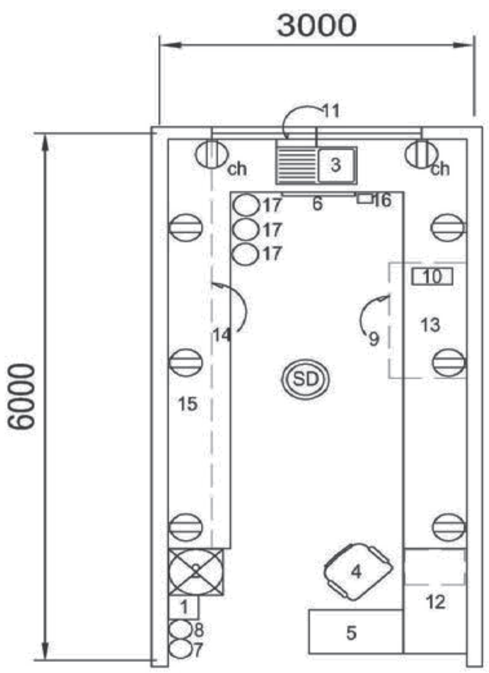
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	2.5	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	Laboratory staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **MICROSCOPY**	Reference Sheet Number: **LAB-RDS-08C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C, E
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	LIGHT: medium: heavy
Spillage	slight : OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	tinted, solar control
Internal glazing	tinted glass

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Analytical Balance
2. Clinical Centrifuge
3. Utility Sink w/ drainboard
4. Stool/High Chair
5. Table for instrument
6. Exhaust Air Grilles
7. Carbon Dioxide Cylinder
8. Gas Cylinder
9. Exhaust Hood
10. Staining Sink
11. Non-corrosive metal pegboards above drainboard
12. Counter, 750mm high, open below
13. Non-corrosive metal work surface
14. Wall-hung Cabinet
15. Counter, 750mm high, drawers and adjustable shelves below
16. Concealed Floor Drain
17. Waste Bins

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

REGULATIONS AND NOTES:
Provide Materials Safety data sheets or MSDS for safety of personnel/ staff: Revised Rules and Regulations governing the licensure and regulation of clinical laboratories in the Philippines, Administrative Order No. 2007-0027, Dated August 22, 2007

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **MICROBIOLOGY/BACTERIOLOGY ROOM**	Reference Sheet Number: **LAB-RDS-09A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Preparation of culture media.	Refrigerator, 8 cu.ft.	1	
b. Staining of slides.	Exhaust Air Grille	1	
c. Preparation of specimens from suspect cases of tuberculosis, fungi and viral diseases.	Incubator	1	
	Autoclave	1	
d. Washing/ Decontamination.	Water Bath	1	
e. Sample Receipt room.	Sputum Refrigerator	1	
f. Determination, quantization & description of microbes.	Biosafety Cabinet	1	
	Balance, rough	1	
g. Reference culturing of microorganisms.		1	
	Negative Pressure Hepa Filter Hood	1	
	Analytical Balance	1	
	Microscope	1	
	Hot Air Oven	1	
	Electric Stove	1	
	Heating Plate	1	
	Ultra Low Freezer	1	
	Infrared Microsterilizer	1	
	Puncture-proof Container	1	
	Waste Bins w/ yellow lining	3	infectious pathological chemical
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
2 x Registered Medical Technologist (RMT)			
1 x Bacteriologist	Storage cupboards		
1 x Pathologist	Back-up Generator	1	
1 x Medical Laboratory Technician	Airconditioning Unit	1	
1 x Laboratory Aide	Computer Table	1	
	Staining Sink, w/ drainboard	1	
	Sink w/electric grinder	1	
	Concealed Floor Drain w/ waterless trap	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Histopathology Section.	Utility Control Breaker Boxes		
b. Close to Sterilizing and Glass Washing Rooms.	Gas Shut-off Valves		
	Window curtain rail	1	
	Outlet, DATA	1	
	Outlet, 10A, 2P, 240V, duplex	10	grounding type universal
	Outlet, 10A, 2P, 240V, single	1	emergency light
	Smoke Detector	1	
	With Automatic Voltage Regulator (AVR)	1	
	Outlet for heavy-duty machine	1	
	Outlet, telephone	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **MICROBIOLOGY/BACTERIOLOGY ROOM**	Reference Sheet Number: **LAB-RDS-09B**

TECHNICAL DESIGN DATA:

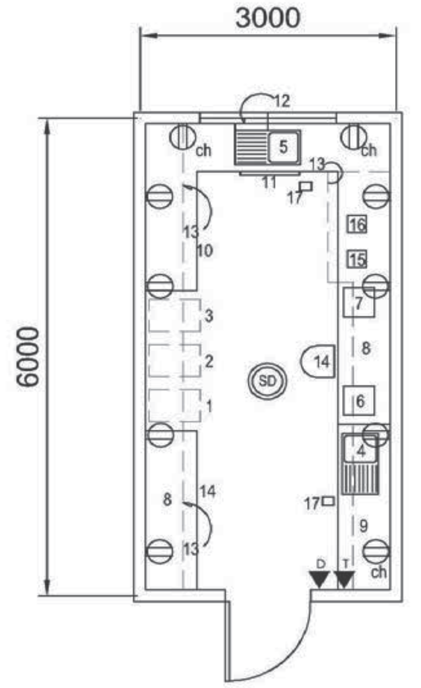
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE : unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable : unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable : unnecessary
Negative Pressure (Pa)	2.5	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	Autoclave
Speech privacy	essential: DESIRABLE : unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	Laboratory staff
		Fire risk	low: MEDIUM: high
		Other risks	exposure to hazardous elements

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **MICROBIOLOGY/BACTERIOLOGY ROOM**	Reference Sheet Number: **LAB-RDS-09C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C, E
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	LIGHT: medium: heavy
Spillage	slight : OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	door w/ visual panel
Windows	tinted, solar control
Internal glazing	tinted glass

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Refrigerator, 8 cu.ft.
2. Sputum Refrigerator
3. Ultra Low Freezer
4. Sink w/ electric grinder
5. Staining Sink w/ drainboard.
6. Autoclave
7. Incubator
8. Counter, 750mm high, open below
9. Counter, 750mm high, cabinets below w/ adjustable shelves
10. Biosafety Cabinets
11. Exhaust Air Grille
12. Non-corrosive metal pegboards above drainboards
13. Wall-hung cabinets
14. Stool/High Chair
15. Hot Air Oven
16. Electric Stove
17. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

REGULATIONS AND NOTES:

Provide Materials Safety data sheets or MSDS for safety of personnel/ staff: Revised Rules and Regulations governing the licensure and regulation of clinical laboratories in the Philippines, Administrative Order No. 2007-0027, Dated August 22, 2007

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **HISTOPATHOLOGY**	Reference Sheet Number: **LAB-RDS-10A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Examination of surgical and autopsy specimens.			
b. Processing and staining of tissues.	Analytical balance	1	
c. Clinical handwashing.	Liquid Nitrogen	1	
	Microtome	1	
	Carbon dioxide cylinder	1	
	Gas cylinder	1	
	Centrifuge	1	
	Tissue Processor	1	
	Tissue Block	1	
	Exhaust Fan	1	
	Fume Hood	1	
	Timer	1	
	Hot air oven	1	
	Water Bath	1	
	Oven	1	
	Microscope	1	
	Puncture-proof Container	1	
	Waste Bin w/ yellow lining	3	infectious pathological chemical
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Pathologist	Counter, 750mm high, open below		
2 x Registered Medical Technologist (RMT)	Counter, 750mm high, cabinets below w/ adjustable shelves.		w/ padlock and poison signage
2 x Laboratory Aide	Table for instrument	1	
Medical Laboratory Technician Interns	Stool	2	
Affiliates	Non-corrosive metal pegboards	1	
	Non-corrosive metal work surface		
	Wall cabinet		
	Counter, 750mm high, drawers and adjustable shelves below		
	Utility Sink w/ drainboard	1	
	Staining Sink	1	
	Concealed Floor Drain w/ waterless trap	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Microbiology/Bacteriology Section.	Window curtain rail	1	
b. Close to Clinical Microscopy.	Outlet, 10A, 2P, 240V, duplex	10	grounding type, universal
c. Adjacent to Pathologist's Office	Outlet, 10A,2P, 240V, single	1	for emergency light
	Smoke Detector	1	
	Outlet for machine	1	
	Airconditioning Unit	1	window or split-type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **HISTOPATHOLOGY**	Reference Sheet Number: **LAB-RDS-10B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	2.5	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	laboratory staff
		Fire risk	low: MEDIUM: high

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **HISTOPATHOLOGY**	Reference Sheet Number: **LAB-RDS-10C**

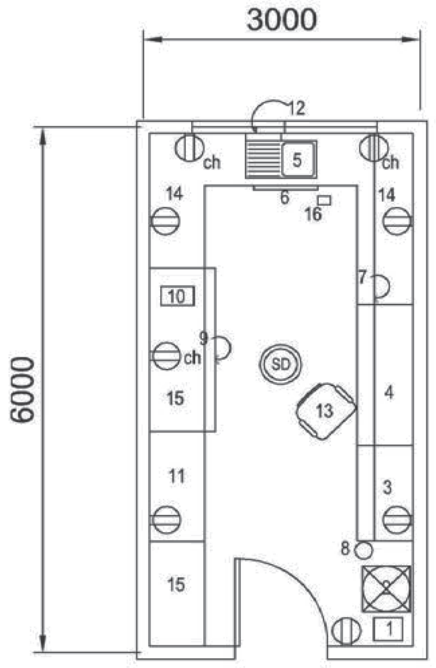
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C, E
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	LIGHT: medium: heavy
Spillage	slight: OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Analytical Balance
2. Centrifuge
3. Table for Instrument
4. Counter, 750mm high open below
5. Utility Sink, cabinets below
6. Exhaust Air Grille near floor
7. Wall-hung Cabinets
8. Carbon Dioxide Cylinder
9. Exhaust hood
10. Staining Sink
11. Non-corrosive metal work surface
12. Non-corrosive metal pegboards
13. Stool
14. Counter, 750mm high, drawers below
15. Counter, 750mm high, cabinets below w/ adjustable shelves
16. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:
Revised Rules & Regulations governing the licensure and regulation of clinical laboratories in the Philippines, Administrative Order No. 2007-0027, Dated August 22, 2007

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **EXAMINATION & SCREENING**	Reference Sheet Number: **LAB-RDS-11A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Collecting blood samples for the presence of infectious or transmittable diseases.
b. Screening potential donors.
c. Collecting appropriate donor information and administering donor health questionnaire.
d. Documentation of patients' record.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Weighing Scale, heavy duty, **Detecto** w/ rod	1	
Sphygmomanometer	1	
Stethoscope	1	
Thermometer, non-mercurial	1	
Examination Table	1	
Panel Screen	1	
Computer w/ printer	1	
Refrigerator	1	
Rotator	1	
Phlebotomist's Tray	1	
Microscope	1	
Hemoglobin Ometer, w/	1	
reader, washer & incubator	1 set	
Needle Disposal	1	
Water Dispenser	1	
Puncture-proof Container	1	
Waste Bin w/ yellow lining	3	infectious pathological chemical

People Involved:

2 x Medical Technologist/ Phlebotomist.
Patient
Clerk/Staff
Blood Bank Nurse
Blood Donor

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Phlebotomist's Chair	1	
750x1200 mm table	1	
Swivel chair	1	
Shelves	1	
File Cabinet	1	
Desk	1	
Phlebotomy Tray/Cart	1	
Footstool	1	

Planning Relationships:

a. Close to Waiting area.
b. Close to Staff Room.
c. Accessible to Pathologist's Office.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	11	grounding type universal slots
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **EXAMINATION & SCREENING**	Reference Sheet Number: **LAB-RDS-11B**

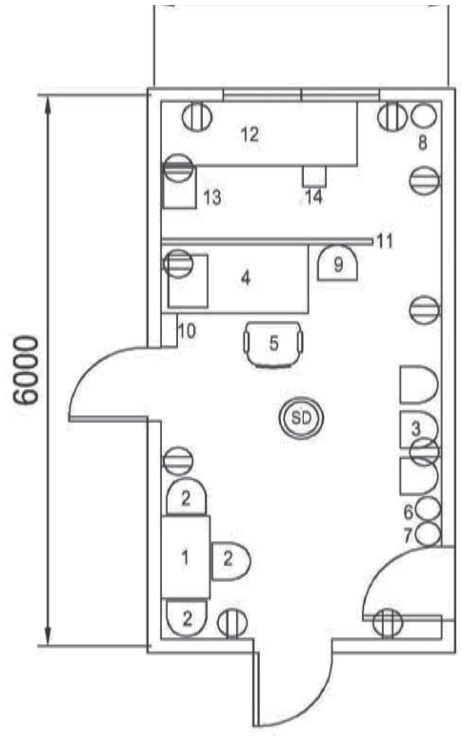
TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu. m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Presure (Pa)	2.5	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE : unnecessary
% Dust filtration	93%-99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	5000%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Laboratory staff & blood donors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **EXAMINATION & SCREENING**	Reference Sheet Number: **LAB-RDS-11C**

TECHNICAL DESIGN DATA:	
DIRECT SERVICES	**DESIGN DATA**
Disposal	hospital solid waste type: A, B, C
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL : desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Snack Bar/Table
2. Adjustable Stool
3. 3-Seater Gang Chair
4. Table, 600x1200
5. Swivel Chair
6. Waste Bin, pathological
7. Waste Bin, infectious
8. puncture-proof Container
9. Chair, upright, stacking
10. Weighing Scale, heavy duty, Detecto, w/ rod
11. Low Partition, 1800mm high
12. Bed, 750x1900
13. Phlebotomy Tray/Cart
14. Footstool

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **DONING ROOM**	Reference Sheet Number: **LAB-RDS-12A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Blood extraction/ donation or collecting blood from eligible donors. b. Supervising donor's recovery. c. Checking and storing donated blood prior to examination.	Waste Bin Airconditioning Unit Television Blood Bag Weighing Scale Sharps Collector	2 1 1 1 1	infectious pathological puncture-proof container
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Medical Technologist 1 x Laboratory Technician 1 x Blood Bank Nurse 1 x Patient 1 x Utility Worker	Phlebotomist's Chair Instrument Table Screen Panel Chair, stacking, w/ arm rest Battery operated digital clock Desk, 600x1200 Pass-thru Counter/Window Adjustable Swivel Chair	2 1 1 2 1 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Waiting Area. b. Close to Pathologist's Office. c. Adjacent to Screening Area.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, aircon Outlet, television Outlet, 10A, 2P, 240V Smoke Detector	1 9 1 1 1 1	 Exam. Area-1 Screening Area- 2 window/split type for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **DONING ROOM**	Reference Sheet Number: **LAB-RDS-12B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg.C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu. m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Presure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Laboratory staff & Blood donors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **DONING ROOM**	Reference Sheet Number: **LAB-RDS-12C**

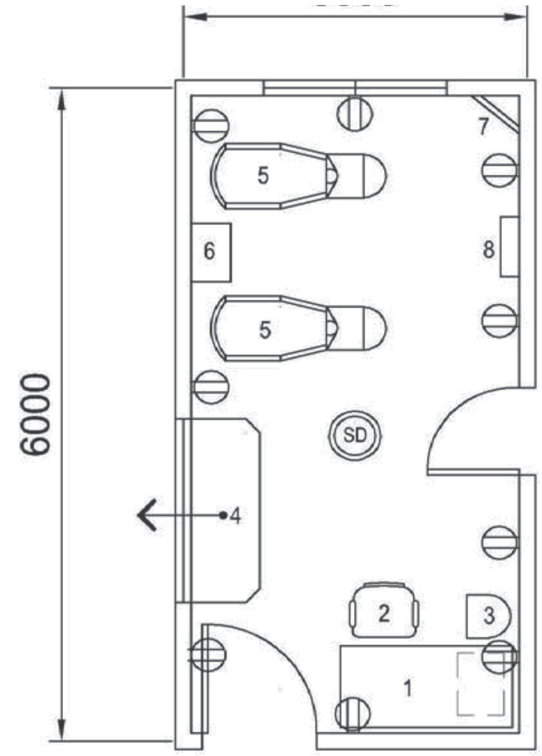
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1200
2. Adjustable Swivel Chair
3. Chair, stacking w/ armchair
4. Pass-thru counter/window
5. Phlebotomist's Chair
6. Instrument Table
7. Television
8. Battery-operated Digital Clock

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **BLOOD BANK**	Reference Sheet Number: **LAB-RDS-13A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Labeling of blood component.	Refrigerator, 8 cu.ft.	1	
b. Storing of whole blood and blood components as a of blood donation.	Freezer, 80'C	1	ultra low
	(ACU) Airconditioning unit	1	
	Blood Bank Refrigerator	1	
	Microscope	1	
	Computer w/ Printer	1	
	Emergency light	1	
	Alarm w/ Uninterrupted Power	1	
	Supply (UPS)	1	
	Computer w/ Printer	1	
	Waste Bin w/ black lining	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Registered Medical Technologist (RMT)	Sink w/ Drainboard	1	cabinets below
1 x Medical Laboratory Technician	Wall- hung cabinet		
	Counter, 900mm high, cabinets below		
	Computer Chair	1	
	Filing Cabinet	1	
	Concealed Floor Drain w/ waterless trap	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Donor's Blood Donation Area/Screening Area.	Diesel- powered stand-by generator	1	for laboratory electrical loads only
b. Close to Extraction area.	Outlet, 30A, 2P, 240V	2	for blood bank ref.
c. Adjacent to Hematology.	Outlet, 10A, 2P, 240V, duplex	4	above counter grounding type for other tabletop small equipment
d. Adjacent to Immunology/Serology.			
d. Adjacent to Pathologist's Office.			
	Outlet, 10A, 1P, 240V, single	10	for emergency light
	Airconditioning Unit	1	window/split-type
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **BLOOD BANK**	Reference Sheet Number: **LAB-RDS-13B**

TECHNICAL DESIGN DATA:

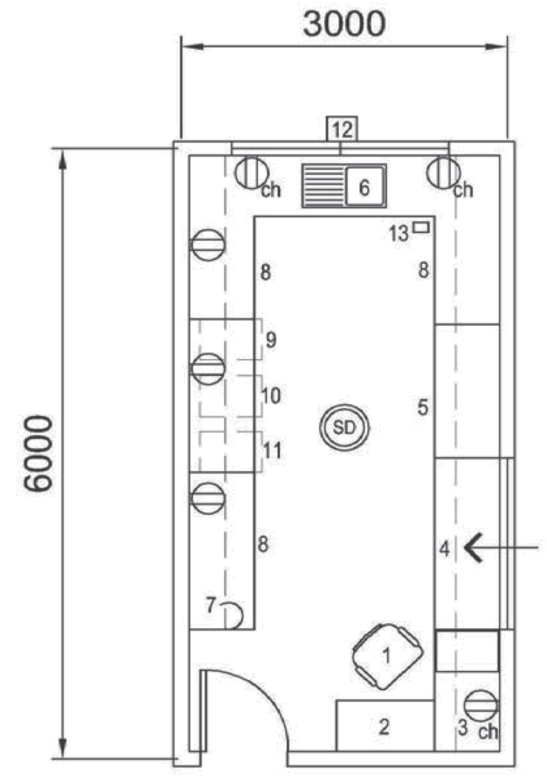
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500 or 250-storage/ 400-processing
Room temperature (deg.C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu. m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable : unnecessary
Pressure Differential :		Emergency light	ESSENTIAL:desirable: unnecessary
Negative Presure (Pa)	2.5	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential:DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	N/A
		Access limit	Laboratory staff
		Fire risk	LOW: medium: high
		Other risks	blood contamination

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **BLOOD BANK**	Reference Sheet Number: **LAB-RDS-13C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: C, G
Hot water	required at sink
Cold water	required at sink
Drainage	provide at floor drain
Gas	nitrogen must have an oxygen level alarm
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	LIGHT: medium: heavy
Spillage	slight: OCCASIONAL : frequent
Foot traffic	light: MEDIUM : heavy
Wheel traffic	LIGHT: medium:heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	Security access door, Door w/ visual panel
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Swivel Chair
2. Desk Return (extension)
3. Computer Table
4. Pass-thru Counter
5. Filing Cabinet
6. Sink-in-counter w/ drainboard, cabinets below
7. Wall-hung Cabinets
8. Counter, 900mm high, cabinets below
9. Refrigerator, 8 cu.ft.
10. Freezer, 80' C
11. Blood Bank Refrigerator
12. Airconditioning Unit

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:
Rules and regulations governing the regulation of Blood Service Facilities, Administrative Order **No. 2008-0008,** dated May 2, 2008.

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **HEMATOLOGY SECTION**	Reference Sheet Number: **LAB-RDS-14A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Hemoglobin tests, sedimentation rates, staining & washing of pipettes. b. Clinical handwashing.	Refrigerator, 8 cu.ft	1	
	Micro Hematocrit centrifuge	1	
	Exhaust air grill	1	
	Hematology Analyzer		
	Differential Counters	1	
	Timer	1	
	Clinical Centrifuge	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
	Counter, 900 mm high, open below		
2 x Medical Technologist 1 x Medical Laboratory Technician	Counter, 900 mm high, cabinets below w/ adjustable shelves		
	Stool	4	
	Non- corrosive metal pegboards above drainboard	1	
	Counter, 900mm high, drawers and adjustable shelves below		
	Staining Sink w/ drainboard	1	
	Cup Sink	1	
	Concealed Floor Drain w/ waterless trap	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Urinalysis/ Biochemistry Section. b. Adjacent to Pathologist's Office.	Window curtain rail	1	
	Outlet, 10A, 2P, 240V, duplex	6	grounding type, universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Smoke detector	1	along corridor
	Airconditioning Unit	1	window or split-type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **HEMATOLOGY SECTION**	Reference Sheet Number: **LAB-RDS-14B**

TECHNICAL DESIGN DATA:

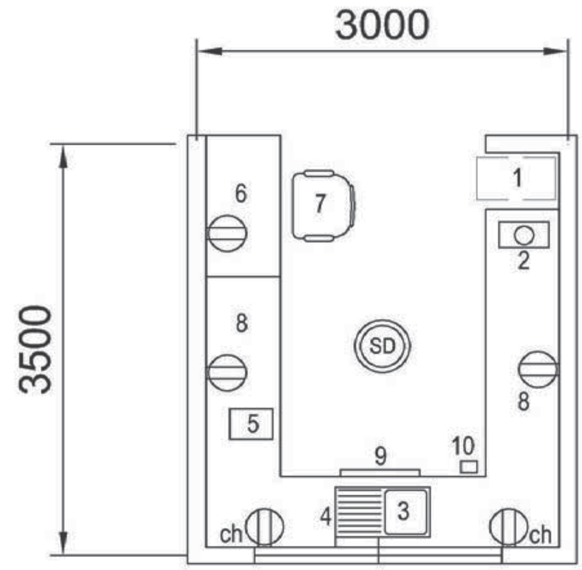
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg.C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu. m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Presure (Pa)	2.5	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.7		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	laboratory staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **HEMATOLOGY SECTION**	Reference Sheet Number: **LAB-RDS-14C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: B, C, E
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	LIGHT: medium: heavy
Spillage	slight: OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Refrigerator, 8 cu. ft.
2. Micro-hematocrit centrifuge
3. Staining Sink
4. Non-corrosive metal pegboards above drainboard
5. Cup Sink
6. Counter, 900mm high, open below
7. Stool
8. Counter, 900mm high, drawers and adjustable shelves, below.
9. Exhaust air grill near floor
10. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **STORAGE/AUTO-CLAVE ROOMS**	Reference Sheet Number: **LAB-RDS-15A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of laboratory instruments, glasswares and PPE's. b. Storage for chemicals with padlock and poison signage. c. Sterilization of instruments/glasswares. **NOTE**: Not for storage of samples.	Double-door, pass-thru type at auto-clave room. Cabinets	1	 w/ padlock
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Laboratory staff	Shelves, 400mm deep Sink-in-counter, cabinet below Concealed Floor Drain w/ waterless trap	 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Accessible to Bacteriology Section. b. Close to Staff Lounge & Pantry. c. Adjacent to Main Clinical Laboratory.	Outlet, 10A, 2P, 240V, duplex Outlet 30A, 2P, 240V Outlet 10A, 2P, 240V, single Smoke Detector	11 1 1 1	grounding type, universal for autoclave for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **STORAGE/AUTO-CLAVE ROOMS**	Reference Sheet Number: **LAB-RDS-15B**

TECHNICAL DESIGN DATA:

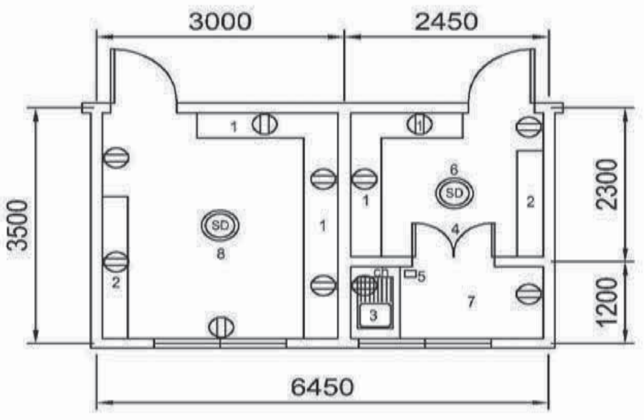
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room Temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable:UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable : UNNECESSARY
%Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	autoclave
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	N/A	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	laboratory staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **STORAGE/AUTO-CLAVE ROOMS**	Reference Sheet Number: **LAB-RDS-15C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at sink
Cold water	required at sink
Drainage	provide at floor drain and sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	slight: OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door & double leaf, pass-thru type
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Shelves, 500mm deep
2. Cabinets w/ padlock
3. Sink in counter, cabinet below
4. Double leaf door, pass-thru type
5. Concealed Floor Drain
6. **Storage Room**
7. **Autoclave Room**
8. **General Storage Room**

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **GLASS WASHING AND STORAGE**	Reference Sheet Number: **LAB-RDS-16A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Washing of instruments/ glasswares. b. Preparation of glasswares/ instruments for future us	Hot Air Oven Puncture-proof container Waste Bin w/ yellow lining Waste Bin w/ black lining	1 1 1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Laboratory Aide	Storage Cabinet Counter, 900mm high, cabinets below Two-Compartment sink, 200mm deep Concealed Floor Drain w/ waterless trap	 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Locker Room & Toilet. b. Close to Storage Room.	Outlet, 10A, 2P, 240V, duplex Outlet , 10A, 2P, 240V, single Smoke Detector	6 1 1	grounding type universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **GLASS WASHING AND STORAGE**	Reference Sheet Number: **LAB-RDS-16B**

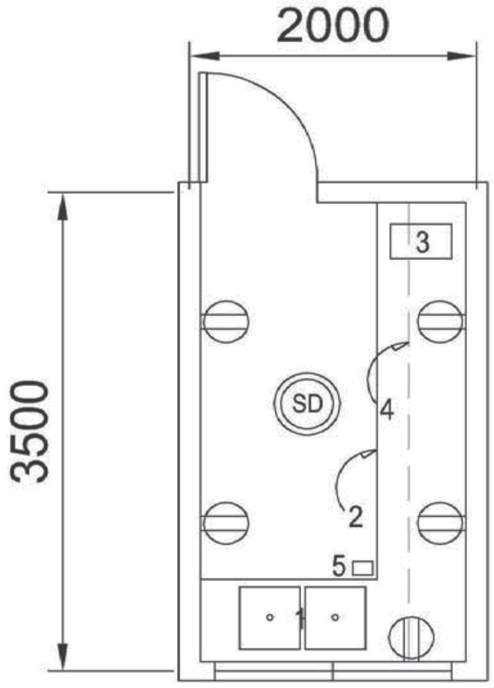
TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential:DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential:		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	pressure sterilizer
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	N/A	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	Laboratory staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **GLASS WASHING AND STORAGE**	Reference Sheet Number: **LAB-RDS-16C**

TECHNICAL DESIGN DATA:	
DIRECT SERVICES	**DESIGN DATA**
Disposal	hospital solid waste type: B, E & G
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	LIGHT: medium: heavy
Spillage	slight: occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Two compartment sink, 200mm deep
2. Storage Cabinet
3. Hot Air Oven
4. Exhaust Hood
5. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **STAFF PANTRY**	Reference Sheet Number: **LAB-RDS-17A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Laboratory Staff makes use of the pantry.	Waste Bin w/ black lining	2	biodegradable and non-biodegradable
b. Janitorial services do clean-up activities.	Refrigerator	1	
	Water Dispenser	1	
	Microwave Oven	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Laboratory Staff	Chair, upright, stacking	3	
Visitors	Table, 600x900	1	
	Wall-hung Cabinets		
	Sink in counter w/ drainboard	1	
	Concealed Floor Drain w/ waterless trap	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Laboratory Department.	Window curtain rail	1	
	Outlet, 10A,2P,240V, duplex	6	grounding type, universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **STAFF PANTRY**	Reference Sheet Number: **LAB-RDS-17B**

TECHNICAL DESIGN DATA:

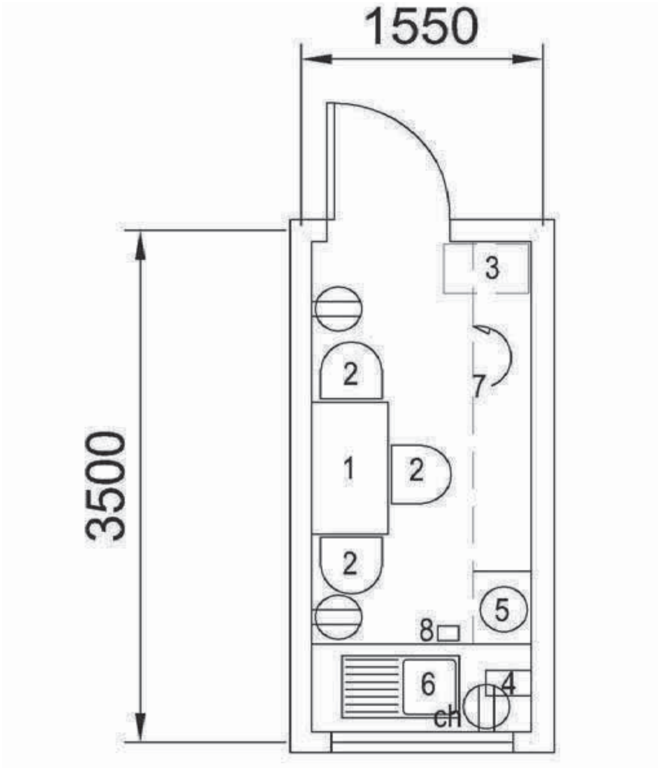
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential:DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Laboratory Staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **STAFF PANTRY**	Reference Sheet Number: **LAB-RDS-17C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight : occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Table, 600x900
2. Chair, upright, stacking
3. Refrigerator
4. Microwave Oven
5. Water Dispenser
6. Sink-in-counter w/ drainboard
7. Wall-hung Cabinets
8. Concelead Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	

REGULATIONS AND NOTES:

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **STAFF LOCKER ROOM AND TOILET & BATH**	Reference Sheet Number: **LAB-RDS-18A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	**EQUIPMENT AND ACCESSORY CHECKLIST**	**QUANTITY**	**REMARKS**
a. Laboratory staff to change clothes in toilet and locker room. b. Laboratory staff to bathe in shower cubicle. c. Storing of clothing and personal effect.	Waste Bin w/ black lining	2	biodegradable non-biodegradable
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved:		1	
	Locker, 500x600	4	
Laboratory staff	Shower Set	2	
	Lavatory	2	
	Water Closet w/ spray hose	2	
	Slop Sink	1	
	Faucet	2	
	Floor Strainer	3	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
	Window curtain rail	2	
a. Accessible to staff work area and main entrance to the Laboratory.	Outlet, 10A,2P,240V, duplex	6	grounding type universal
	Smoke detector	1	
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, water heater, 30A, 2P 240V	2	toilet & bath

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **LOCKER ROOM AND TOILET & BATH**	Reference Sheet Number: **LAB-RDS-18B**

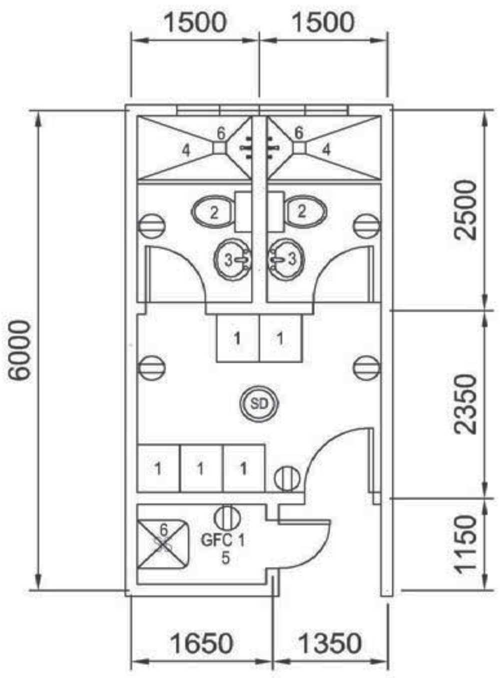
TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Laboratory staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LABORATORY**	Room Title: **LOCKER ROOM AND TOILET & BATH**	Reference Sheet Number: **LAB-RDS-18C**

TECHNICAL DESIGN DATA:	
DIRECT SERVICES	**DESIGN DATA**
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at lavatory
Drainage	required at lavatory and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight : occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

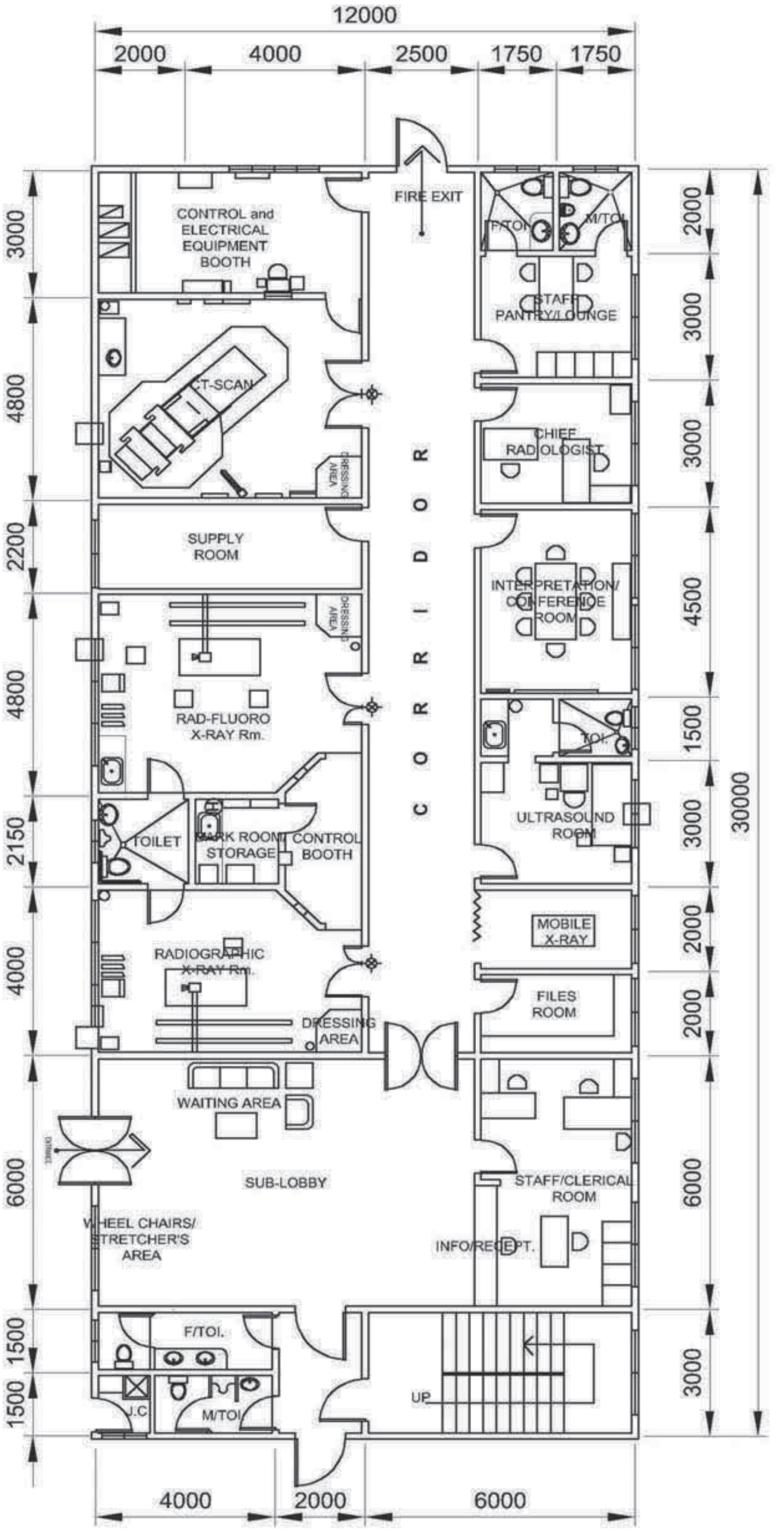
1. Locker, 500x600
2. Water Closet w/ spray hose
3. Lavatory
4. Shower
5. Slop Sink
6. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: RADIOLOGY	Reference Sheet Number: **RAD-DDS-01C**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **SUB-LOBBY/WAITING AREA**	Reference Sheet Number: **RAD-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Patients wait to be x-rayed. b. Patients wait for the release of their x-ray results. c. Patients in stretchers and wheelchairs and their companions/watchers wait.	Wheel chair Stretcher Waste Bin w/ black lining	1 1 3	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x X-Ray Clerk Patients Companions/ Watchers	Wooden Bench TV set	10 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Frontline area of the Radiology Department.	Outlet, DATA	1	
	Outlet, 10A, 2P, 240V	12	grounding type universal
	TV Outlet	1	ceiling-mounted
	Smoke Detector	2	
	Outlet, 10A, 2P, 240V	1	for emergency light
	Outlet, telephone	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **SUB-LOBBY/WAITING AREA**	Reference Sheet Number: **RAD-RDS-01B**

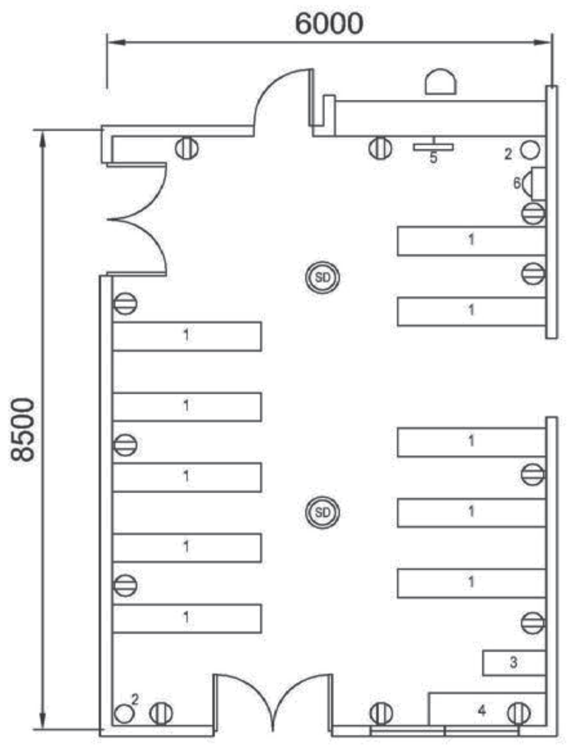
TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	radiology staff & patient
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **SUB-LOBBY/WAITING AREA**	Reference Sheet Number: **RAD-RDS-01C**

TECHNICAL DESIGN DATA:	
DIRECT SERVICES	**DESIGN DATA**
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: medium: HEAVY
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair stretcher, trolley access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Wooden bench, 400x2000
2. Waste Bin
3. Wheelchair
4. Stretcher
5. TV Set
6. Emergency Light

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **PUBLIC MALE/FEMALE TOILETS**	Reference Sheet Number: **RAD-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Patient/companion make use of toilets. b. Janitorial services do clean-up activities.	Waste Bin w/ black lining	2	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Male/Female Patients Patients' Companions	Water closet w/ spray hose Lavatory Urinal Janitor's cabinet Slop sink	2 3 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Accessible to the Waiting Area.	Outlet, 10A, 2P, 240V, duplex	6	grounding type, universal
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **PUBLIC MALE/FEMALE TOILETS**	Reference Sheet Number: **RAD-RDS-02B**

TECHNICAL DESIGN DATA:

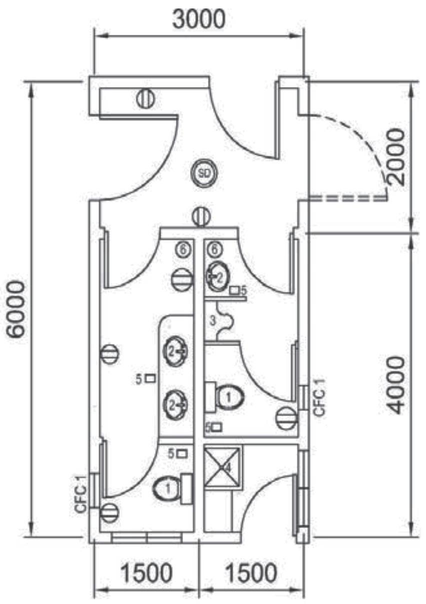
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg.C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	radiology patients and companions
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **PUBLIC MALE/FEMALE TOILETS**	Reference Sheet Number: **RAD-RDS-02C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light :medium:HEAVY
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	ordinary access door
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Water Closet w/ spray hose
2. Lavatory
3. Urinal
4. Slop Sink
5. Floor Drain/Strainer
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CLERICAL ROOM**	Reference Sheet Number: **RAD-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Clerk receives request of patients to be x-rayed.
b. X-ray Technician/ Technologist schedules patient and special radiographic procedures.
c. Clerk types results, files and retrieves records.
d. Clerk issues results of radiographic procedures done

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Computer	3	
Waste Bin w/ black lining	3	
Airconditioning Unit	1	
Uninterruptible Power Supply (UPS)	1	
Automatic Voltage Regulator (AVR)	1	

People Involved:

Radiologic Technician/Technologist
3 x Clerks
X-ray Interns, if there are any

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Desk, 750x1500	1	
Desk, 600x1200	2	
Side Extension, 400x900	2	
Steel filing cabinet, 500x700	4	
Clerical Chair	2	
Visitor's Chair	1	
InformationCounter, open below	1	

Planning Relationships:

a. Adjacent to Film Storage.
b. Close to Radiologist's Office.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, 10A,2P,240V, duplex	10	grounding type, universal
Smoke detector	1	ionization type
Outlet, DATA	1	wall-mounted
Outlet, telephone	1	desktop
ACU outlet	1	
Outlet, 10A, 2P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CLERICAL ROOM**	Reference Sheet Number: **RAD-RDS-03B**

TECHNICAL DESIGN DATA:

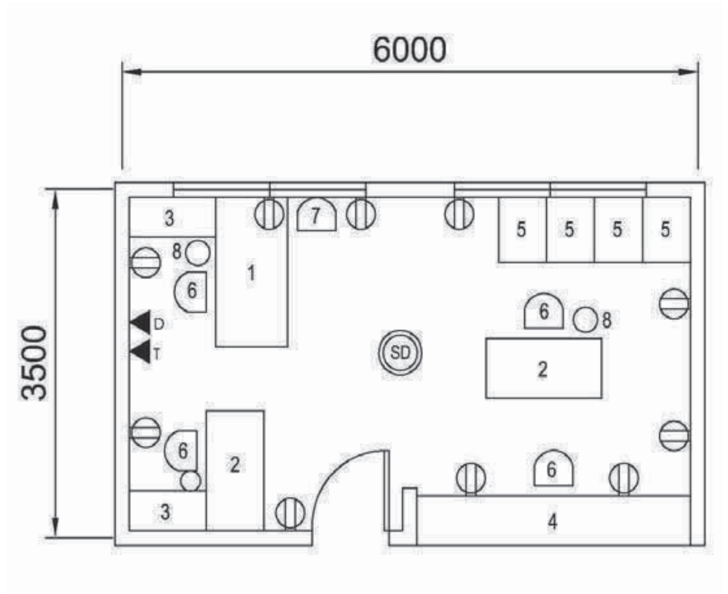
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg.C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	radiology staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CLERICAL ROOM**	Reference Sheet Number: **RAD-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	ordinary access acces
Windows	clear
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1200
2. Desk, 600x1200
3. Side Extension, 400x900
4. Information counter, open below
5. Steel Filing Cabinet, 500x700
6. Clerical Chair
7. Visitor's Chair
8. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2014	Department: RADIOLOGY	Room Title: CHIEF RADIOLOGIST'S OFFICE	Reference Sheet Number: **RAD-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Radiologist interprets x-ray film and/ or ultrasound images
b. Clerk types results.
c. Radiologist meets with x-ray technologist, physicians and other hospital staff.
d. Radiologist receives visitors or patients.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Wall-mounted negatoscope 4 banks 14 x 17 sg. In per bank	1	
Magnifying lens	1	
Computer	1	
Printer	1	
Uninterruptible Power Supply (UPS)	1	for computers
Automatic Voltage Regulator (AVR)	1	for computers
Waste Bin w/ black lining	2	

People Involved:

Radiologist
1 x X-Ray Clerk
Companions/ Watchers

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Desk, 750x1200	1	
Desk, 600x1500	1	
Side Extension	1	
Steel filing cabinet, 500x700	1	
Clerical Chair	2	

Planning Relationships:

a. Easily accessible to all other rooms within the Radiology Department.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, telephone	1	desktop
Outlet, 10A, 2P, 240V, duplex	1	grounding type universa
Outlet, airconditioning unit	1	
Outlet, DATA	1	wall-mounted
Smoke Detector	1	
Outlet, 10A, 2P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CHIEF RADIOLOGIST'S OFFICE**	Reference Sheet Number: **RAD-RDS-04B**

TECHNICAL DESIGN DATA:

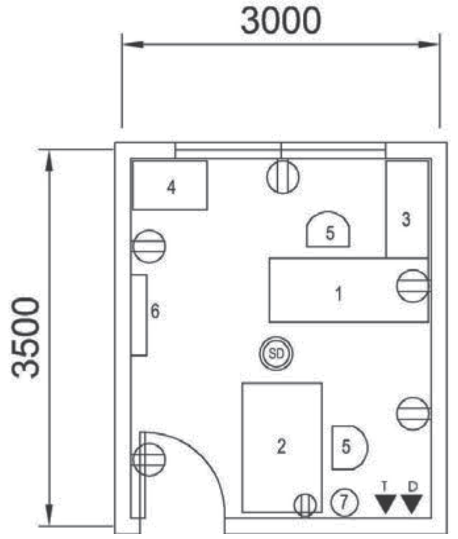
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg.C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.7		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	Chief Radiologist, staff and visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CHIEF RADIOLOGIST'S OFFICE**	Reference Sheet Number: **RAD-RDS-04C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1200
2. Desk, 600x1500
3. Side Extension, 400x900
4. Steel Filing Cabinet, 500x700
5. Clerical Chair
6. Wall-mounted Negatoscope, 4 banks 14x17 sg. Ln per bank
7. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **RAD-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Radiology staff members meet for conferences, discussions or trainings.	Negatoscope (X-ray film viewer)	1	
	Whiteboard, 1200x2400	1	
	Wall Clock	1	
	Airconditioning Unit	1	
	TV monitor, digital radiology	1	
	Liquid-Crystal Projector (LCD)	1	
	Waste Bin w/ black lining	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Radiologist	Conference Table, 900x1800	1	
x Radiologic Technologist	Conference Chair	8	
x Physicians	Cabinet, 400x1800	1	
x Hospital staff	Counter w/ cabinets below	1	
	Negatoscope	1	
	Whiteboard	1	
	Flat TV monitor	1	wall-mounted
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Radiologist office and Staff.	Window curtain rail	2	
	Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, airconditioning unit	1	
	Outlet, DATA	1	
	Smoke detector	1	
	Outlet, telephone	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **RAD-RDS-05B**

TECHNICAL DESIGN DATA:

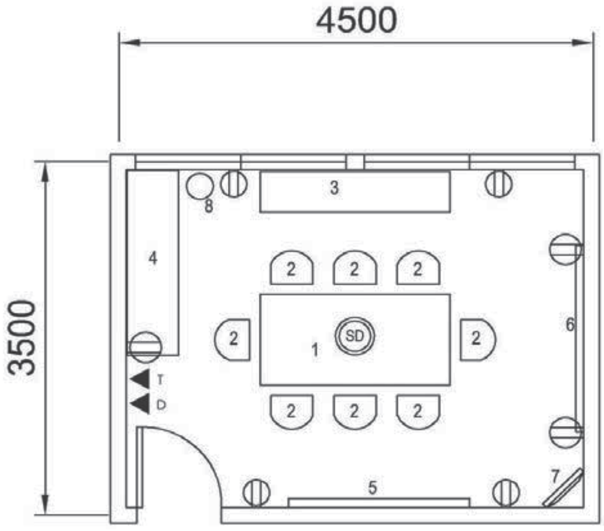
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Radiology staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **RAD-RDS-05C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	**DESIGN DATA**
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access
Windows	clear, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Conference Table, 900x1800
2. Conference Chair
3. Cabinet, 400x1800
4. Counter, w/ cabinets below
5. Negatoscope
6. Whiteboard
7. Flat TV Monitor, wall-mounted
8. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.) :

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **FILES ROOM**	Reference Sheet Number: **RAD-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Radiologic Technician/ Technologist/Clerk stores radiographs. b. Radiologic Technician/Technologist/Clerk retrieves radiographs on file for follow-up of patient conditions. **Note**: Radiographs beyond five years of age will be stored in the central records.	Exhaust Fan	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Radiology Department Staff	Open shelving Open shelving Aluminun or wooden movable ladder	2 1 1	5 shelves high 7 shelves high
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Clerical Room.	Outlet, 10A, 2P, 240V, duplex Smoke detector Exhaust Fan (EF) outlet Outlet, 10A, 2P, 240V, single	1 1 1 1	grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **FILES ROOM**	Reference Sheet Number: **RAD-RDS-06B**

TECHNICAL DESIGN DATA:

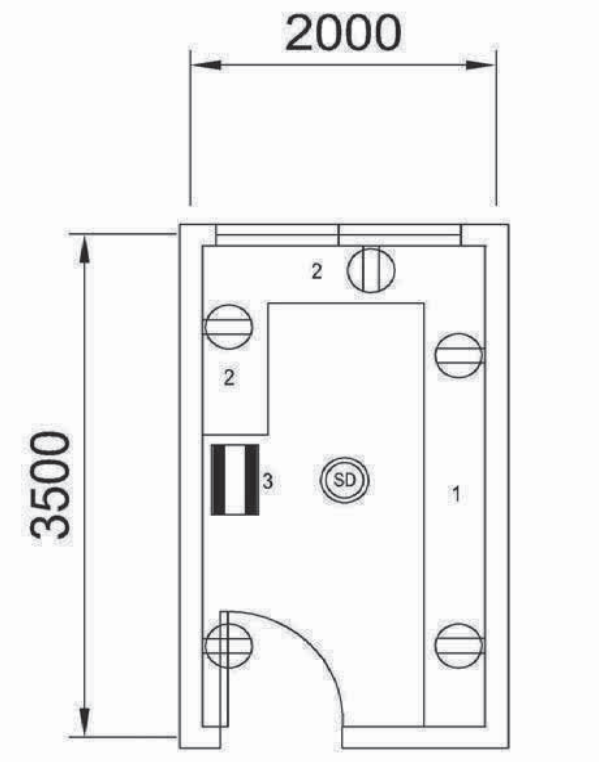
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	radiology staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **FILES ROOM**	Reference Sheet Number: **RAD-RDS-06C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door sets	ordinary access door
Windows	clear, solar control
Internal Glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Open shelving, 7 shelves high
2. Open shelving, 5 shelves high
3. Aluminum or wooden movable ladder

Note:
Provide 1m clear distance from ceiling to the topmost shelves.

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **MOBILE X-RAY PARKING AREA**	Reference Sheet Number: **RAD-RDS-07A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. For parking/storage of mobile X-Ray machine. b. For recharging of X-Ray machiine.	Mobile X-Ray Machine	1	for use in medical ward & X-ray procedures
People Involved: X-ray Radiologic Technologists X-ray Interns	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
	Foldable Partition, 1800mm high	1 lot	
Planning Relationships: a. Within the Radiology Department.	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
	Window curtain rail	1	
	Outlet, 30A,2P,240V	1	for charging the mobile x-ray machine
	Smoke Detector		
	Outlet, 10A, 2P, 240V, duplex	3	grounding type universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **MOBILE X-RAY PARKING AREA**	Reference Sheet Number: **RAD-RDS-07B**

TECHNICAL DESIGN DATA:

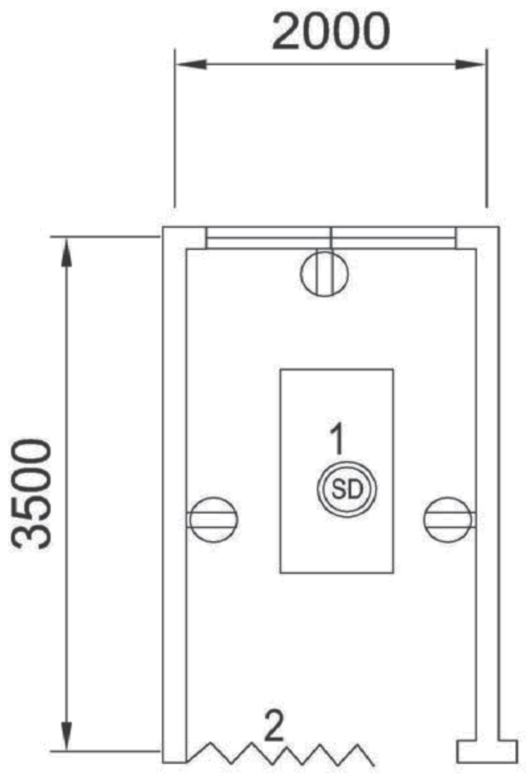
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	N/A	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	N/A	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	radiology staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **MOBILE X-RAY PARKING AREA**	Reference Sheet Number: **RAD-RDS-07C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	N/A
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	SLIGHT: occasional: frequent
Abrasion	SLIGHT: occasional: frequent
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	foldable door
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Mobile X-Ray Machine
2. Foldable Partition, 1800mm high

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2014	Department: RADIOLOGY	Room Title: ULTRASOUND ROOM	Reference Sheet Number: **RAD-RDS-08A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient is assisted on to examination table.
b. Ultrasonologist performs specified examination on
c. Patient and staff use toilet.

People Involved:

1x Ultrasonologist
1x Patient

Planning Relationships:

a. Close to X-ray Room.
b. Close to Waiting Area.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Ultrasound unit	1	
Ultrasound Printer	1	
Automatic voltage regulator	1	
Examining bed	1	
Uninterrupted Power Supply (UPS)	1	
Exhaust Fan	1	ceiling-mounted
Waste Bin w/ black lining	2	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Footstool	1	
Swivel chair	1	
Adjustable chair	1	
Desk, 750 x 1200	1	
Bedside table	1	
Steel filing cabinet, 500 x 700	1	
Adjustable Chair	1	
Lavatory	2	
Water closet w/ spray hose	2	
Floor Strainer	1	
Ultrasound Table/Bed	1	
Hand Dryer	1	
Concealed Floor Drain	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, 10A,2P,240V, duplex	10	grounding type universal
Outlet, 30A, 2P, 240V	1	for ultrasound machine desktop
Outlet, telephone	1	
Airconditioning unit	1	
Outlet, Data	1	wall-mounted
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **ULTRASOUND ROOM**	Reference Sheet Number: **RAD-RDS-08B**

TECHNICAL DESIGN DATA:

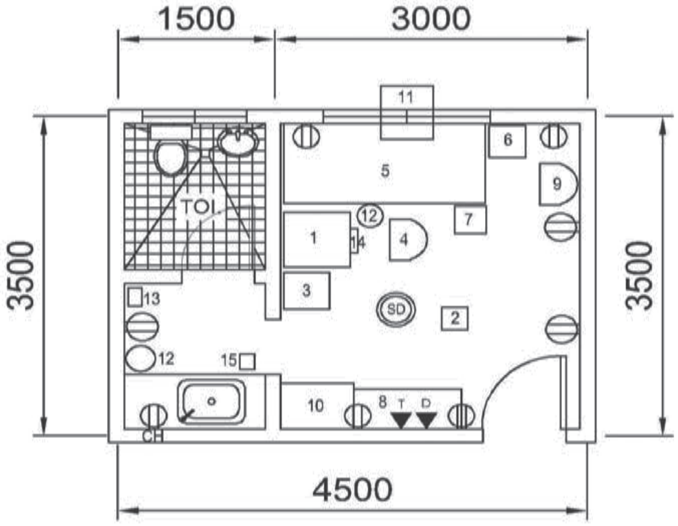
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at Lavatory
		Maximum temperature (deg. C)	70
		Access limit	radiology staff & patient
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **ULTRASOUND ROOM**	Reference Sheet Number: **RAD-RDS-08C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures and floor
Medical Oxygen	20 lpm/room
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access door
Windows	clear, solar control, privacy
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Ultrasound unit
2. Exhaust Fan, ceiling-mounted
3. Automatic Voltage Regulator (AVR)
4. Swivel chair
5. Examining bed
6. Bedside table
7. Footstool
8. Desk, 750x1200
9. Adjustable chair
10. Steel filing cabinet, 500x700
11. Airconditioning Unit
12. Waste Bin
13. Hand Dryer
14. Uninterrupted Power Supply (UPS)
15. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **RADIOGRAPHIC X-RAY ROOM**	Reference Sheet Number: **RAD-RDS-09A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
	Radiographic X-ray unit	1	
	Vertical casette stand	1	
a. Patient puts on hospital gown.	IV stand	1	
b. X-ray Technologist prepares and position patient for x-ray examination.	X-Ray machine transformer	1	
	Waste Bin	1	
c. Patient undergoes radiographic examination.	Lead rubber gown/apron	1	
d. Patient puts on personal clothing after instructions to leave.	Lead rubber gloves	1 pair	
	Patient Caliper	1	
	Compression band	1	
	Film I.D marker set	1	
	Lead apron hanger	1	
	Pelvimeter	1	
	02 Tank	1	
	Contact 90 nadal shields	1	
	Upright 90 nadal shields	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
X-ray Technologists	Storage cabinet	1	
Patient	Footstool	1	
Nurse	Dressing Cubicle	1	
Institution Worker/ Companion	Fire Extinguisher	1	
X-Ray Technologist Interns	Red warning light	1	
	Non-corrosive Sink	1	
	Water Closet w/ spray hose	1	
	Urinal	1	
	Lavatory	1	
	Concealed Floor Drain	1	
	Floor Strainer	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Outpatient Department	Window curtain rail	1	
b. Close to Emergency Department	Outlet, 10A, 2P, 240V, duplex	11	grounding type universal
c. Close to other Ancillary Services.			
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, telephone	1	
	Outlet, DATA	1	
	Smoke detector	1	
	Airconditioning unit	1	window type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2014	Department: RADIOLOGY	Room Title: RADIOGRAPHIC X-RAY ROOM	Reference Sheet Number: **RAD-RDS-09B**

TECHNICAL DESIGN DATA:

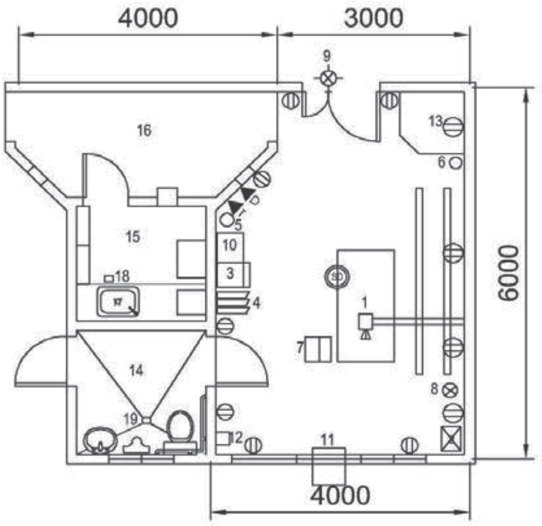
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg.C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desitrable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	5O	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	radiology staff & patient
		Fire risk	LOW: medium: high
		Other risks	exposure to radiation

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **RADIOGRAPHIC X-RAY ROOM**	Reference Sheet Number: **RAD-RDS-09C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: F & G
Hot water	required at sink and lavatory
Cold water	required at sink and toilet fixtures
Drainage	required at sink, toilet fixture and floor
Medical Oxygen	20 lpm/room
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	slight: OCCASIONAL: frequent
Abrasion	slight: OCCASIONAL: frequent
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	see appendix ____
Windows	see appendix ____
Internal glazing	lead glass

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Radiographic X-ray Unit
2. High Tension Transformer
3. Vertical Casette Stand
4. Lead Apron Hanger
5. Waste Bin
6. IV Stand
7. Footstool
8. O2 Tank
9. Red Warnining Light
10. Storage Cabinet
11. Airconditioning Unit
12. Fire Extinguisher
13. **Dressing Cubicle**
14. **Toilet**
15. **Dark Room/Storage**
16. **Control Booth**
17. Non-corrosive Sink
18. Concealed Floor Drain
19. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:
1. Minimum ceiling height = 3.00mts.
2. Walls shall be 150mm thick with 12mm plaster on each side.
3. Door must be lined with 150mm thick lead sheets from edge to edge including jambs to a height of at least 2.00mts from floor.

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **DARK ROOM/STORAGE**	Reference Sheet Number: **RAD-RDS-10A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
	Manual film processing tank	1	
a. X-ray Technologist mixes/prepares processing	Leaded pass box	2	
b. X-ray Technologist loads unexposed xray film into the cassette.	Safelight	1	
c. X-ray Technologist unloads exposed X-Ray film from the casette for processing.	X-ray cassette with intensifying screens	1	
	Exhaust fan(air-inlet) & air outlet)	2	
d. X-ray Technologist processes X-ray film.	Luminous timer	1	
e. X-ray Technologist cleans manual processing tanks and automatic processor.	Sink in counter	1	
	Film hanger rock	1	
f. X-ray Technologist maintains processing equipment and performs darkroom quality control tests.	Automatic film processor	1	
	Mettalic stem dial type thermometer	1	
	Towel bar	1	
	Film dryer	1	
	Plastic paddles	2	
	Waste receptacle Bin w/ yellow lining	1	
	Patient ID film marker		
	Film Bin	1	
	Film Hangers		

People Involved:	FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
	Film loading counter/bench	1	
Radiology Department Staff	Wall cabinet		
X/Radiologic Technologist	Sink-in-counter, non-corrosive	1	
	Concealed Floor Drain w/ waterless trap		
X-ray Interns			

Planning Relationships:	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
a. Close to X-ray Room.	Outlet, DATA	1	
b. Adjacent to Control Booth.	Outlet, 10A, 2P, 240V, duplex	4	grounding type universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, telephone	1	
	Safelight Outlet	1	
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **DARK ROOM/STORAGE**	Reference Sheet Number: **RAD-RDS-10B**

TECHNICAL DESIGN DATA:

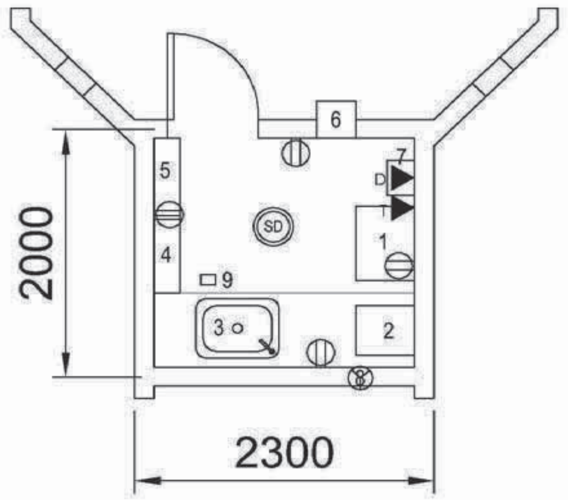
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg.C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential:desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	2.5	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	ESSENTIAL: desirable: unnecessary
Cooling load (TR)	1		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	radiology staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **DARK ROOM/STORAGE**	Reference Sheet Number: **RAD-RDS-10C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: E, G
Hot water	N/A
Cold water	required at sink and processing tank
Drainage	required at sink, tanks and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	light lock painted matte/ black w/ door lock
Windows	nil,provide light lock air inlet and air outlet
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Automatic Film Processor
2. Processing Tank
3. Sink-in-counter, cabinets below
4. Film Bin
5. Film Loading Counter
6. Pass Box
7. Light Tight Air Inlet
8. Exhaust Fan, ceiling-mounted
9. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

1. Air inlet must be installed near floor.
2. Air outlet with exhaust fan must be installed above processing tank near the ceiling.

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CONTROL BOOTH (RAD-FLUORO. X-RAY)**	Reference Sheet Number: **RAD-RDS-11A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. X-ray Radiologic Technologist formulates/ sets radiographic/fluoroscopic techniques.	Control Console of radiographic and fluoroscopic x-ray units.	2	
b. X-ray Radiologic Technician/Technologist gives instruction to patient undergoing radiographic/fluoroscopic examinations.	Automatic Voltage Regulator	2	
	Lead Glass View Window	2	
c. X-ray Radiologic Technician/ Technologist conducts radiographic exposures.	Automatic Film Processor	1	
d. X-ray Radiologic Technician/Technologist views patient during radiographic examination.	Waste Bin w/ black lining	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
X-ray Technicians Technologists RT Interns Radiologist Resident Physician	Cassette rack	2	With partitions different sizes of cassette.
	Swivel Chair	2	
	Table w/ Side Drawers	2	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to X-ray Rooms.	Outlet, 10A, 2P, 240V, duplex	4	grounding type, universal
	Power Supply for X-Ray Machine	1	1 dia. or 3 dia.
	Outlet, telephone	1	
	Outlet, DATA	1	
	Smoke Detector	1	
	Outlet, 10A, 2P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CONTROL BOOTH (RAD-FLUORO. X-RAY)**	Reference Sheet Number: **RAD-RDS-11B**

TECHNICAL DESIGN DATA:

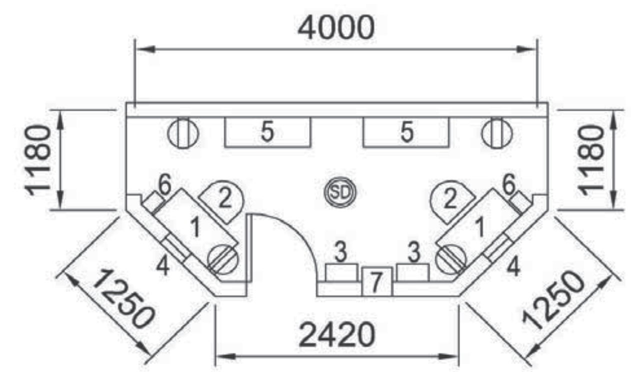
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	5O	Black out	ESSENTIAL: desirable: unnecessary
Cooling load (TR)	1		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	radiology staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CONTROL BOOTH (RAD-FLUORO & X-RAY)**	Reference Sheet Number: **RAD-RDS-11C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	nil
Internal glazing	leaded glass view window

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Control Console
2. Swivel Chair
3. Cassette Rack
4. Leaded Glass View Window
5. Table w/ Side Drawers
6. Automatic Voltage Regulator
7. Automatic Film Processor

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

1. Viewing window shall be located to allow observance of patient during examination.
2. Viewing window shall be lead glass large enough to view the patient during examination, with 15mm load equivalence.
3. Booth barrier = 2.00 mts. minimum

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **RAD-FLUORO X-RAY ROOM**	Reference Sheet Number: **RAD-RDS-12A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient puts on hospital gown.
b. X-ray Radiology Technologist prepares contrast medium.
c. X-ray Radiology Technologist prepares and positions patient
for radiographic/fluoroscopic examination.
d. X-ray Radiology Radiologist introduces contrast medium.
e. Patient undergoes radiographic and/or fluoroscopic examination.
f. Patient uses toilet.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Radiographic-fluroscopic unit w/ an image intensifier and T.V. monitor and tilting table with bucky casette change	1	
Bucky vertical casette stand	1	
Sink-in-counter	1	for contract media preparation
Lead rubber apron (wrap	1	
Patient Caliper	1	
IV stand	1	
Lead, rubber gloves	1 pair	
02 Tank	1	
Lead apron hanger	2	
Contact 90 nadal shield	1	
Thyroid shield	1	
Immobilizing device	1	
Lead goggles	1 set	
Upright gonadal shield		
Barium preparation gadgets		
Compression band		
Waste Bin w/ black lining	1	

People Involved:

X-ray Technologists
Radiologist
Patient
Resident Doctors
X-ray Interns
I.W.
Nurse

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Storage cabinet	1	for accessories
Footstool	1	
Hand dryer	1	
Dressing cubicle	1	
Dehumidifier	1	
Fire Extinguisher	1	
Water Closet w/ spray hose	1	
Urinal	1	
Lavatory	1	
Non-corrosive Sink	1	
Concealed Floor Drain	1	
Floor Strainer	1	

Planning Relationships:

a. Close to Outpatient Department.
b. Close to Emergency Department.
c. Close to other Ancillary Services.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window Curtain rail	1	
Outlet, 10A, 2P. 240V, duplex	8	grounding type universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Outlet, DATA	1	
Smoke detector	1	
Airconditioning unit	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **RAD-FLUORO X-RAY ROOM**	Reference Sheet Number: **RAD-RDS-12B**

TECHNICAL DESIGN DATA:

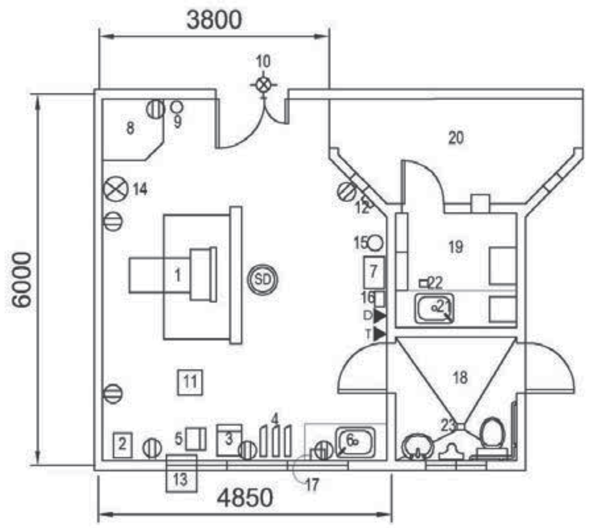
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg.C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	Essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	ESSENTIAL: desirable: unnecessary
Cooling load (TR)	2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	radiology staff & patient
		Fire risk	LOW: medium: high
		Other risks	exposure to radiation

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **RAD-FLUORO X-RAY ROOM**	Reference Sheet Number: **RAD-RDS-12C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: E, G
Hot water	required at sink & lavatory
Cold water	required at sink & toilet
Drainage	required at sink, toilet, fixture and floor
Medical Oxygen	20 lpm/room
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	slight: OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	SLIGHT: occasional: frequent
Abrasion	slight: occasional: frequent
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	see appendix ___
Windows	see appendix ___
Internal glazing	lead glass

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Rad-Fluoro X-ray Unit
2. High Tension transformer
3. Vertical Bucky Stand
4. Lead Apron Hanger
5. Footstool
6. Sink-in-counter
7. Storage cabinet
8. **Dressing cubicle**
9. IV stand
10. Red warning light
11. TV monitor
12. Dehumidifier
13. Airconditioning unit
14. Oxygen tank
15. Waste bin
16. Fire Extinguisher
17. Hand dryer
18. **Toilet**
19. Dark Room/Storage
20. **Control Booth**
21. Non-corrosive Sink
22. Concealed Floor Drain
23. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

As per Regulation, refer to A.O. 0035 s, 1994, ________________ .
For the Following:
1. Thickness of X-Ray Room walls and other X-ray shielding requirements.
2. X-Ray Room door installation and shielding details.
3. Lead-lining requirements.

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **SUPPLIES ROOM**	Reference Sheet Number: **RAD-RDS-13A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Radiologic Technologist/Clerk stores and retrieves supplies such as X-ray film illuminators, ultrasound gels and warmers, CT markings, etc.

People Involved:

Radiology Department Staff

Planning Relationships:

a. Adjacent to Clerical Room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Exhaust Fan	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Open shelving	2	5 shelves high
Open shelving	1	7 shelves high
Aluminun or wooden movable ladder	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal
Smoke detector	1	
Exhaust Fan (EF) outlet	1	
Outlet, 10A, 2P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **SUPPLIES ROOM**	Reference Sheet Number: **RAD-RDS-13B**

TECHNICAL DESIGN DATA:

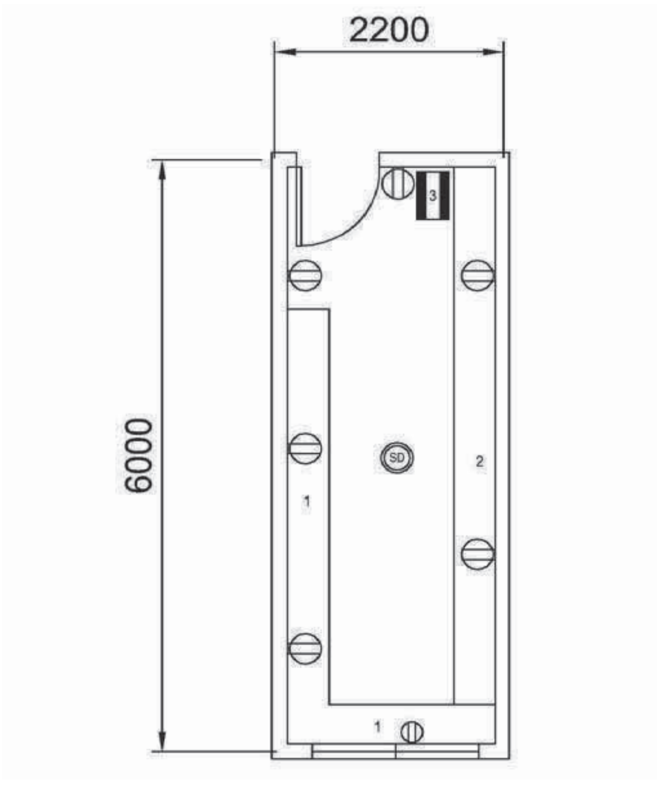
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	N/A	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	N/A	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	radiology staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **SUPPLIES ROOM**	Reference Sheet Number: **RAD-RDS-13C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	N/A
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door sets	ordinary access door
Windows	clear, solar control
Internal Glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Open shelving, 5 shelves high
2. Open shelving, 7 shelves high
3. Aluminum or wooden movable ladder

Note:
Provide 1m clear distance from ceiling to the topmost shelves.

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CT-SCAN**	Reference Sheet Number: **RAD-RDS-14A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
	CT-scanner	1	
a. Patient puts on hospital gown.	Emergency Kit	1	E-cart
b. X-ray Technician/Technologist prepares and positions patient for CT-scanning procedure.	IV stand	1	
	Lavatory-in-counter	1	
c. Patient undergo CT-scanning procedures.	Waste Bin w/ yellow lining	1	infectious
d. Patient uses toilet.	Lead rubber gown	1	
	Lead rubber gloves	1 pair	
	Dye Automatic Injector	1	
	QA Phantoms and QA Test Tools	1 set	
	High Tension Transformer	1	
	Dehumidifier	1	
	Puncture-proof Container	1	

People Involved:	FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
1 x Radiologic Technologist	Dispenser: Disposable glove	1	
1 x Radiologist	Dispenser: Hand/ paper towel	1	
Patient	Dispenser: Soap/ Antiseptic	1	
Patient's Companion	Oxygen flow meter	2	
RT Intern	Suction Adaptor	2	
	Suction Bottle	2	
	Storage Cabinet for QA/QC test tools	1	w/ layers
	Sink-in-counter	1	
	Emergency Light	1	
	Dressing Booth	1	
	Lead Apron Hanger	1	
	Concealed Floor Drain	1	

Planning Relationships:	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
a. Close to Outpatient Dept.	Window curtain rail	1	
b. Close to Emergency Dept.	Outlet, 10A, 2P, 240V, duplex	12	grounding type, universal
c. Close to other Auxillary Services.	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, telephone	1	
	Outlet, DATA	1	
	Smoke detector	1	
	Hospital Pole Transformer	1	75 KVA (min) 3dia.
	Stand-by Generator Set	1	75 KVA (min) 3dia.
	Airconditioning units	2	Split-type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CT-SCAN**	Reference Sheet Number: **RAD-RDS-14B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	ESSENTIAL: desirable: unnecessary
Cooling load (TR)	2		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	radiology staff & patient
		Fire risk	LOW: medium: high
		Other risks	exposure to radiation

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CT- SCAN**	Reference Sheet Number: **RAD-RDS-14C**

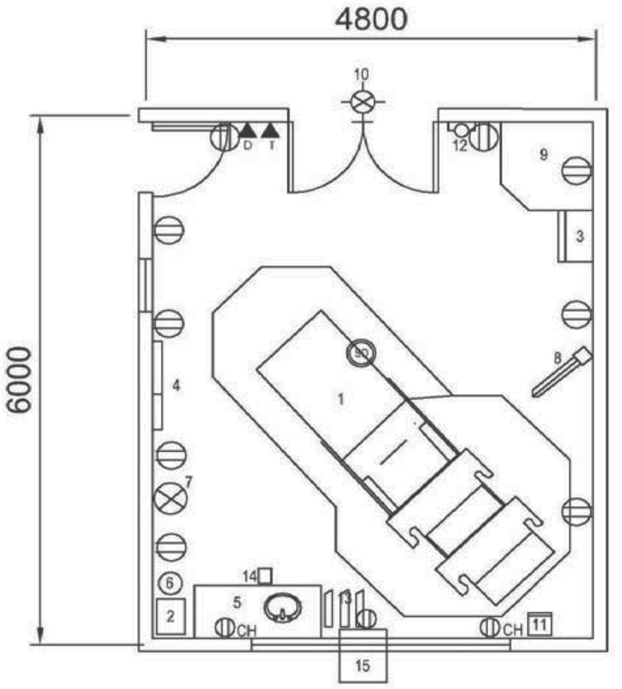
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B
Hot water	N/A
Cold water	required at sink
Drainage	required at sink and floor
Medical Oxygen	20 lpm/room
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	light: MEDIUM: heavy
Spillage	slight: OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	SLIGHT: occasional: frequent
Abrasion	SLIGHT: occasioanl: frequent
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	1 1/2 Leaf w/ lead shielding
Windows	Tinted lead glass to outside/ Lead glass; clear to control rm.
Internal glazing	Tinted / Lead

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Ct- scanner x-ray unit
2. High Tension Transformer
3. Mobile Storage Cabinet
4. X-ray viewer 2- screen
5. Sink-in-counter
6. **Waste Bin**
7. **IV stand**
8. Dye Auto Injector
9. Dressing Cubicle
10. Red warning light
11. Dehumidifier
12. Emergency Light
13. Lead Apron Hanger
14. Concealed Floor Drain
15. Airconditioning Unit

SPACE DEMANDS (Total Minimum Space Required in sq. m.) :

Space components	Minimum space required/component

REGULATIONS AND NOTES:
As per Regulation, refer to A.O. 0035 s, 1994 _____________
For the ff :
1. Thickness of X-ray Room walls and other X-ray shielding requirements.
2. X-ray Room door installation and shielding details.
3. Lead-lining requirements.
Lead lining to walls and doors
Crash rail/ as wall protection

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CONTROL BOOTH (CT-SCAN)**	Reference Sheet Number: **RAD-RDS-15A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. X-ray Radiologic formulates/ sets CT techniques.
b. X-ray Radiologic Technologist gives instructions to patient undergoing CT-Scan.
c. X-ray Radiologic Technologist conducts CT-Scan examination.
d. X-ray Radiologic Technologist views patient during CT-Scan examination.

People Involved:

X-Ray Radiologic Technologists
RT Interns
Radiologist
Resident Physician

Planning Relationships:

a. Adjacent to CT-Scan.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Control Console of CT-scan unit	2	
Automatic voltage regulator	1	for CT-Scan
Automatic voltage regulator	1	for computer
UPS	1	for computer
Surge Suppressor	1	
Film viewer/printer	1	
Clock	1	
Computer	1	
Automatic Film Processor	1	
Lead Glass Viewing Window	2	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Computer table	1	
Chair w/ armrest	2	
CT-Scan Transformer Cabinet		
Negatoscope	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	9	grounding type, universal
	1	3 dia.
Airconditioning Unit		wall-mounted
Power supply for ACU		
Power supply for CT-Scan		
Smoke Detector	1	
Outlet, 10A, 2P, 240V, single	2	for emergency light
Safelight	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CONTROL BOOTH (CT-SCAN)**	Reference Sheet Number: **RAD-RDS-15B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL:desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	5O	Black out	ESSENTIAL: desirable: unnecessary
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	radiology staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **CONTROL BOOTH (CT-SCAN)**	Reference Sheet Number: **RAD-RDS-15C**

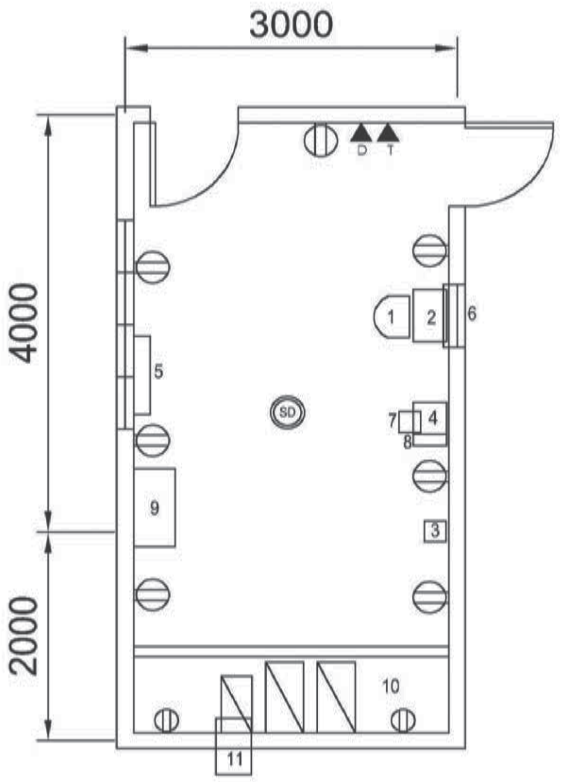
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	access door open to circulation; access door lined w/ 1.5mm lead & 2m high
Windows	nil
Internal glazing	leaded glass view window

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Swivel Chair
2. Control Console
3. Automatic Voltage Regulator
4. Computer
5. Negatoscope
6. Leaded Glass View Window
7. UPS for Computer
8. Film Printer
9. Film Processor (dry type)
10. Transformer Cabinet
11. Airconditioning Unit

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

1. Booth should be located to allow observance of patient.
2. Viewing window shall be lead glass from the manufacturer's specifications.
3. Wall height = 150mm thk. at 2.00 mts. minimum

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **STAFF LOUNGE / T&B**	Reference Sheet Number: **RAD-RDS-16A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Lounging area for Radiology staff. b. Radiology staff stores personal belongings. c. Radiology staff uses toilet facilities.	Waste Bin w/ black lining Exhaust Fan (EF) Ceiling Fan	2 2 1	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 10 x Radiologic Technicians/ Technologists 1 x Ultrasonologist 3 x Clerk X-ray Interns Resident Physicians	Dining Chair Locker, 500x600 (Double deck) Dining Table, 750x1500 Lavatory Water Closet w/ spray hose Shower, telephone type Urinal Hand Dryer	4 10 1 2 2 2 1 1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Adjacent to Radiologist's office	Window curtain rail Outlet, 10A,2P,240V, duplex Smoke detector Outlet, DATA EF outlet CF outlet Outlet, 10A, 2P, 240V, single Outlet, telephone	1 7 1 1 2 1 1 1	 grounding type universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **STAFF LOUNGE/T&B**	Reference Sheet Number: **RAD-RDS-16B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	30	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: desirable UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.75	Cooling load (TR)	1
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at Lavatory
		Maximum temperature (deg. C)	70
		Access limit	radiology staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **RADIOLOGY**	Room Title: **STAFF LOUNGE/T & B**	Reference Sheet Number: **RAD-RDS-16C**

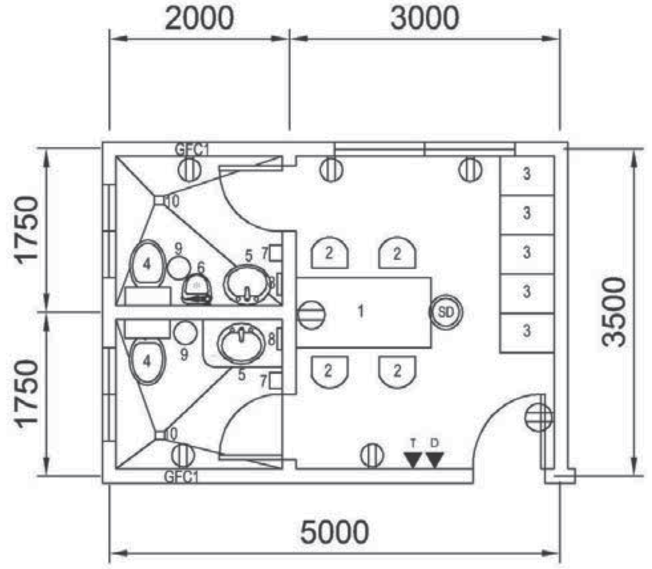
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	N/A
Foot traffic	Light :medium:HEAVY
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	ordinary access door
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Table, 750mmx1500mm
2. Dining Chair
3. Lockers, 500mmx600mm (double deck)
4. Water Closet w/ spray hose
5. Lavatory
6. Urinal
7. Hand Dryer
8. Towel Rack
9. Waste Bin
10. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

VOLUME 3

STANDARD PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

3.5 NURSING SERVICE

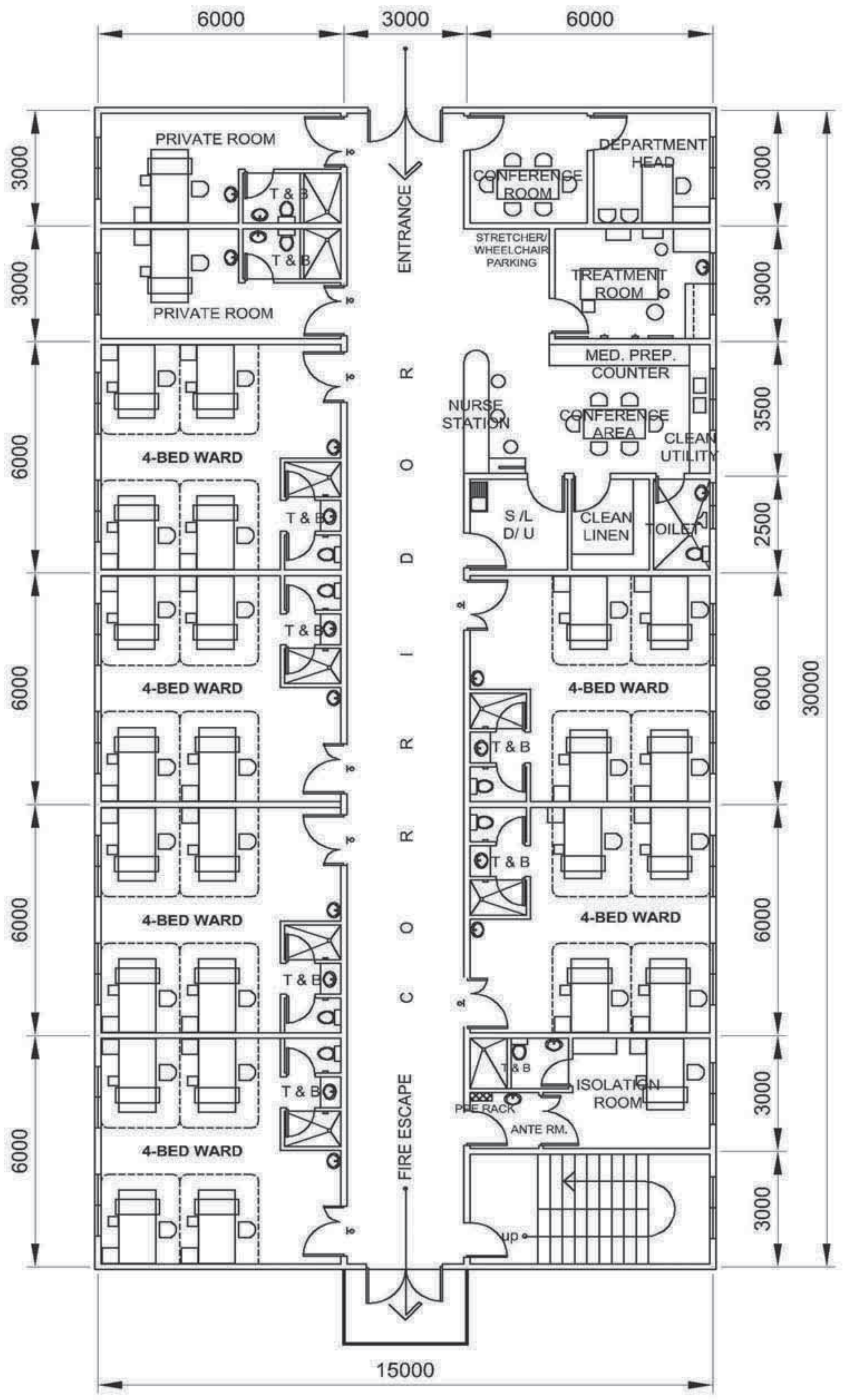
Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Hospital: 100-Bed (Level 2)	SERVICE FACILITY SHEET INDEX	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Service Facility Title: **NURSING WARDS**	Reference Sheet Number: **NU-SFSI-05**

ROOM TITLE	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
NURSING WARDS		**144**		
NURSE STATION	42		**NU-RDS-01**	**377**
TREATMENT ROOM	12		**NU-RDS-02**	**380**
DEPARTMENT HEAD'S OFFICE W/ CONFERENCE ROOM	18		**NU-RDS-03**	**383**
TYPICAL ONE-BED WARD	18		**NU-RDS-04**	**386**
TYPICAL FOUR-BED WARD	36		**NU-RDS-05**	**389**
ISOLATION ROOM	18		**NU-RDS-06**	**392**

Hospital: 100-Bed (Level 2)	D E P A R T M E N T	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NURSING WARDS**	Reference Sheet Number: **NU-DDS-01**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **NURSE STATION**	Reference Sheet Number: **NU-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activites:

a. Nurse makes plan of her activities and determine her priority activities.
b. Nurse makes proper inventory of resources,i.e. supplies, drugs, etc. to determine requisitions to be made.
c. Nurse prepares for admission of a patient.
d. Nurse enters name of patient in the admission book, ward directory and diet work.
e. Nurse makes phone calls to coordinate with other units of the hospital.
f. Nurse entertains queries from visitors of patients.
g. Nurse records and reports patient care activities and observations made.
h. Nurse receives endorsements.
i. Nurse carries out doctors' orders.
j. Nurse prepares and gives out medication.
k. Nurse conducts health education.
l. Nurse transfers patient to exami ing table.
m. Physician/Nurse administers necessary medical and surgical treatment to patient.

People Involved:

1 x Chief Nurse
2 x Staff Nurse
1 x Nursing Attendant
Physicians

Planning Relationships:

a. Close to Nursing Wards.
b. Adjacent to Utility Area and Linen Rooms.
c. Close to Treatment Room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Glass Board	1	
Chart rack	1	
Clock	1	
Laundry hamper	3	
Waste Bin w/ yellow and black lining	3	infectious and general
Puncture-proof container	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Nurse Station Counter, 2-layer	1	
Conference Table, 6-seater	1	
Counter, open below	1	
Counter, shelves below	1	
Counter, cabinets below	1	
Wall-hung Cabinets	1	
Storage Shelves	1	
Sink-in-counter, double	1	
Adjustable Stool	2	
Utility Sink	1	
Water Closet w/ spray hose	1	
Lavatory	1	
Urinal	1	
Concealed Floor Drain w/ waterless trap	1	
Floor Strainer	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex	11	grounding type, universal
Outlet, 10A, 2P, 240V, single	3	for emergency light
Outlet, DATA	1	
Paging system	1	
Nurse Call Console	1	
Outlet, Telephone	1	
Smoke Detector	3	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **NURSE STATION**	Reference Sheet Number: **NU-RDS-01B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	750
Room temperature (deg. C)	25	Night illumination (LUX)	750
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.8		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at medical sink
		Maximum temperature (deg. C)	70
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **NURSE STATION**	Reference Sheet Number: **NU-RDS-01C**

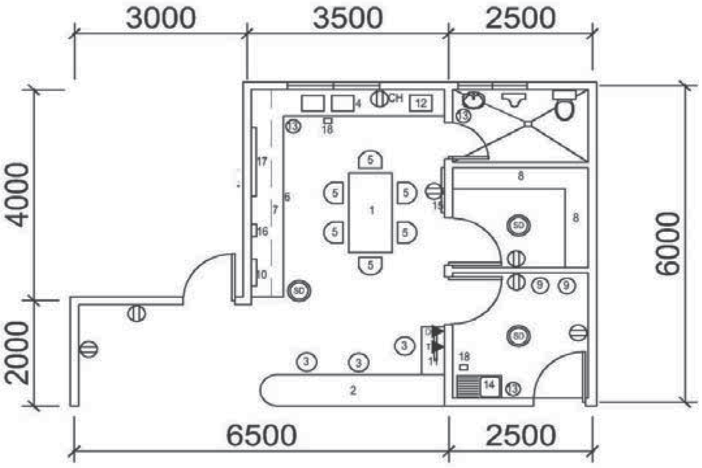
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, G
Hot water	required at sink
Cold water	required at sink & toilet fixtures
Drainage	req'd at sink, toilet fixtures & floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	NA
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	nil, open to circulation
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key :

1. 6-Seater Conference Table, 750x1500
2. Nurse Station Counter, 2-layer w/ knee space below
3. Adjustable Stool
4. Two-compartment sink-in-counter w/ base cabinets
5. Conference Chair
6. Work Counter w/ base cabinets w/ knee space
7. Wall Cabinets
8. Shelves
9. Laundry Hamper
10. Nurse Call Console
11. Computer Table
12. E-cart
13. Waste Bin
14. Utility Sink-in-counter
15. Glass Board
16. Clock
17. Chart Rack
18. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **TREATMENT ROOM**	Reference Sheet Number: **NU-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:			
This activity space provides facilities needed for the following activities:	**EQUIPMENT AND ACCESSORY CHECKLIST**	**QUANTITY**	**REMARKS**
a. Patient arrives on foot, in wheelchair or on a stretcher trolley from ward. b. Transfer of patient from wheelchair or stretcher trolley to examining table. c. Physician or nurse administers necessary medical, surgical and first aid treatment to patient.	Instrument & scrub sink w/ gooseneck spout & spray, foot/elbow control Examining Light Examining Table Kick bucket, foot control Negatoscope Waste Bin w/ yellow and black lining	1 1 1 1 1 2	infectious and general waste
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Physician 1 x Nurse/Nurse Attendant 1 x Patient	Instrument table Mayo table Footstool Irrigator Stand Dressing cart Adjustable stool Counter,900mm high, cabinets below Wall cabinets Bulletin Board Concealed Floor Drain w/ waterless trap	1 1 1 1 1 1 1 1	 w/ accessories
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Nurse Station. b. Close to Nursing Wards.	Window curtain rail Nurse Call Station Outlet, 10A,2P,240V,duplex Outlet,10A, 2P, 240V, single Smoke Detector	1 1 6 1 1	 grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **TREATMENT ROOM**	Reference Sheet Number: **NU-RDS-02B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.8		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink & toilet lavatory
		Maximum temperature (deg. C)	70
		Access limit	medical staff and patient
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **TREATMENT ROOM**	Reference Sheet Number: **NU-RDS-02C**

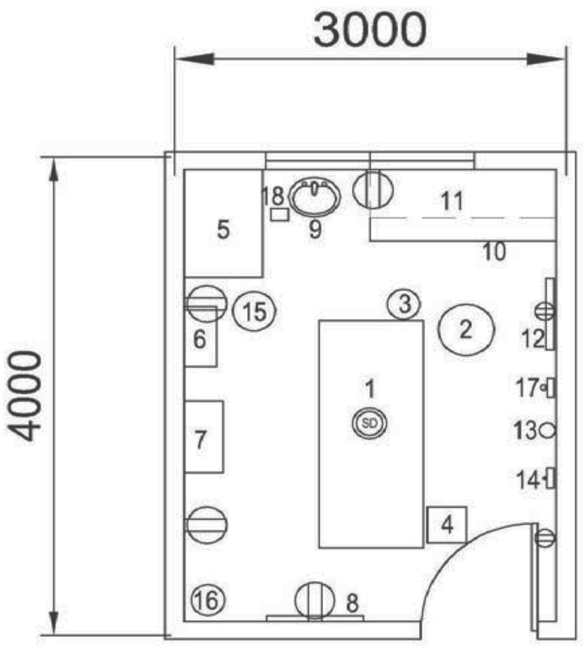
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A,B,G
Hot water	required at sink
Cold water	required at sink
Drainage	required at floor below sink
Medical Oxygen	20 lpm@ 4.0 Bar
Medical Vacuum	40 lpm @450mm Hg
Compressed air	N/A
Steam	N/A
Others	1 nurses' call to nurse station

DIRECT DEMANDS ON FLOOR AND WALL

Loading	NA
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	exam. table, wheelchair, stretcher access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key :

1. Examining table
2. Adjustable stool
3. Examining light
4. Footstool
5. Instrument table
6. Dressing cart
7. Mayo table
8. Bulletin board
9. Combination scrub sink & instrument sink w/ gooseneck foot operated, elbow control
10. Counter, 900mm high, cabinets below
11. Wall Cabinet
12. Negatoscope
13. Irrigator Stand
14. Nurse Call Station
15. Kick Bucket
16. Waste Bin
17. Wall-mounted, DATA
18. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **DEPARTMENT HEAD'S OFFICE WITH CONFERENCE ROOM**	Reference Sheet Number: **NU-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Dept. Head reads, writes and uses telephone in his desk
b. Dept. Head receives visitors.
c. Dept. Head is consulted by patient's/ relatives.
d. Secretary stores, files and retrieves records.
e. Dept. Head supervises the nursing dept's activities.
f. Department Head conducts staff meetings and special lectures.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Glass Board	1	
White Board, 1200x2400	1	
Waste Bin w/ black lining	2	
LCD Projector	1	
Sound System	1	

People Involved:

1 x Dept. Head
Physicians
Nurses
Visitors

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Desk, 750 x 1500	2	
Junior Executive Chair	1	
Side Table, 400x900	1	
Visitor's Chair	2	
Conference Chair	6	

Planning Relationships:

a. Adjacent to Department's Main entrance.
b. Close to Nursing Wards Station.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet,10A,2P,240V,duplex	4	grounding type, universal
Outlet,10A,2P,240V, single	3	for emergency light
Outlet, Telephone	1	
Outlet, DATA	2	
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **DEPARTMENT HEAD'S OFFICE WITH CONFERENCE ROOM**	Reference Sheet Number: **NU-RDS-03B**

TECHNICAL DESIGN DATA:

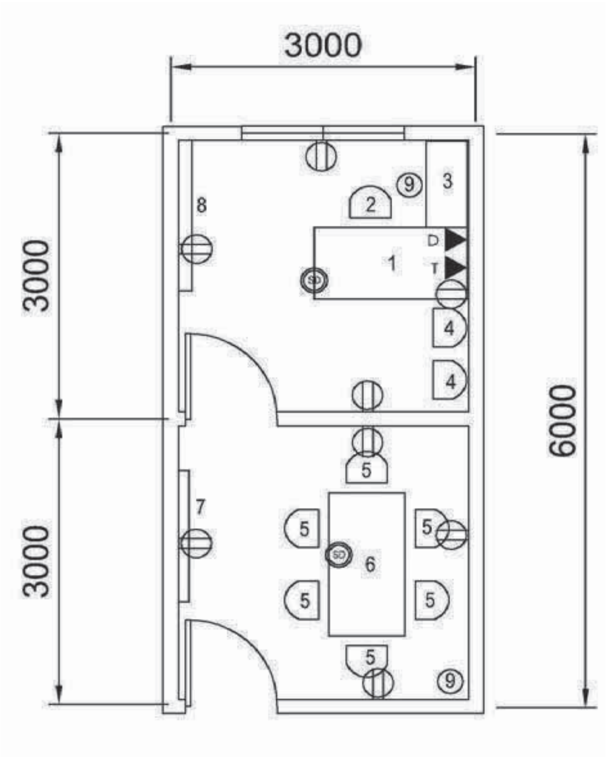
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	400-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./hr.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	Department Head, Staff , Visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **DEPARTMENT HEAD'S OFFICE WITH CONFERENCE ROOM**	Reference Sheet Number: **NU-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
	privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk 750x1200
2. Junior Executive Chair
3. Side Table Extension, 400x900
4. Visitor's Chair
5. Conference Chair
6. Conference Table
7. Whiteboard, 1200x2400
8. Glass Board
9. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **TYPICAL ONE-BED WARD**	Reference Sheet Number: **NU-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:			
This activity space provides facilities needed for the following activities:	**EQUIPMENT AND ACCESSORY CHECKLIST**	**QUANTITY**	**REMARKS**
a. Patient may arrive on foot, in a wheelchair or on a stretcher trolley. b. Transfer of patient to a hospital bed from a wheelchair or a stretcher trolley and vice versa. c. Patient undresses/dresses in the vicinity of hospital bed, with or without assistance. d. Patient takes meals in bed or in sitting area. e. Patient receives visitors. f. Patient stores clothing and other personal belongings. g. Patient requires privacy. h. Patient makes use of toilet and bath. i. Use of monitoring/diagnostic equipment on the patient. j. Physicians and nurse check on the patient. k. Handwashing and other clean-up activities. l. Nurse gives medication to patient. m. With the absence of a relative or watcher, nurse may feed or wash patient.	Television Waste Bin w/ yellow lining Waste Bin w/ black lining Waste Bin w/ green lining Water Heater	1 1 1 1 1	 infectious non-biodegradable biodegradable
People Involved: 1 x Patient 2 x Visitors 1 x Resident Physician/Medical Specialist 1 x Nurse or Nursing Aide	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
	Adjustable hospital bed Overbed Table Chair, upright, stacking Footstool Bedside Cabinet Cushioned Bench Closet Water Closet w/ spray hose Lavatory Shower Set Faucet Floor Strainer Concealed Floor Drain w/ waterless trap	1 1 1 1 1 1 1 1 2 1 1 2 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Nurse Station. b. Close to Medical/Surgical Services. c. Distant to Outpatient Department.	Window curtain rail Bed Lamp Outlet, 10A,2P,240V,duplex Outlet,10A, 2P, 240V, single Nurse Call Station, normal Nurse Call Station, emergency Outlet, antenna/cable Smoke Detector	1 1 6 3 1 1 1 1	 grounding type, universal for emergency light w/ pendant switch w/ pendant switch

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **TYPICAL ONE-BED WARD**	Reference Sheet Number: **NU-RDS-04B**

TECHNICAL DESIGN DATA:

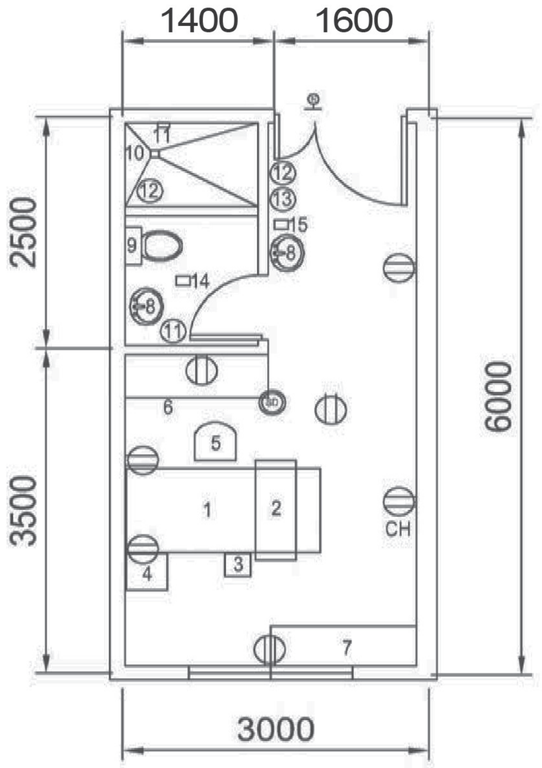
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	50
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	medical staff, relatives/watcher and patient
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **TYPICAL ONE-BED ROOM**	Reference Sheet Number: **NU-RDS-04C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A & G
Hot water	required at shower
Cold water	required at lavatory & toilet fixtures
Drainage	required at lavatory, toilet fixtures & toilet floor
Medical Oxygen	20 lpm @ 4.0 Bar
Medical Vacuum	40 lpm @ 450 mm Hg
Compressed air	N/A
Steam	N/A
Others	suction outlet required
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	NA
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	bed, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key :

1. Adjustable Hospital Bed
2. Overbed Table
3. Footstool
4. Bedside Cabinet
5. Chair, upright, stacking
6. Closet
7. Cushioned Bench
8. Lavatory
9. Water Closet w/ spray hose
10. Shower Set
11. Faucet
12. Waste Bin, infectious
13. Waste Bin, general
14. Floor Strainer
15. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **TYPICAL FOUR-BED WARD**	Reference Sheet Number: **NU-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient may arrive on foot, in a wheelchair or on a stretcher trolley.
b. Transfer of patient to a hospital bed from a wheelchair or a stretcher trolley and vice versa.
c. Patient undresses/dresses in the vicinity of hospital bed, with or without assistance.
d. Patient takes meals in bed or at sitting area.
e. Patient receives visitors.
f. Patient stores clothing and other personal belongings.
g. Patient requires privacy.
h. Patient makes use of toilet and bath.
i. Use of monitoring/diagnosticequipment on the patient.
j. Physicians and nurses check on the patient.
k. Handwashing and other clean-up activities.
l. Nurse gives medication to patient.
m. With the absence of a relative or watcher, nurse may feed or wash patient.

People Involved:

4 x Patients
4 x Visitors
1 x Resident Physician/Medical Specialist
1 x Nurse or Nursing Aide

Planning Relationships:

a. Adjacent to Nurse Station.

b. Close to medical/surgical services.

c. Distant to outpatient department.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste Bin w/ yellow lining	1	infectious
Waste Bin w/ black lining	1	non-biodegradable
Waste Bin w/ green lining	1	biodegradable

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Adjustable hospital bed	4	
Overbed Table	4	
Chair, upright, stacking	4	
Footstool	4	
Bedside Cabinet	4	
Sink-in-counter, cabinet below	1	
Water Closet w/ spray hose	1	
Lavatory	2	
Shower Set	1	
Faucet	1	
Floor Strainer	2	
Concealed Floor Drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, telephone	1	
Outlet, DATA	1	
Window curtain rail	1	
Outlet, 10A,2P,240V,duplex	12	grounding type, universal
Outlet,10A, 2P, 240V, single	1	for emergency light
Nurse Call Station, normal	4	w/ pendant switch
Nurse Call Station, emergency	1	w/ pendant switch
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2013	Department: NURSING WARDS	Room Title: TYPICAL FOUR-BED WARD	Reference Sheet Number: NU-RDS-05B

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	50
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu. m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	medical staff, relatives/watcher and patient
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **TYPICAL 4-BED WARD**	Reference Sheet Number: **NU-RDS-05C**

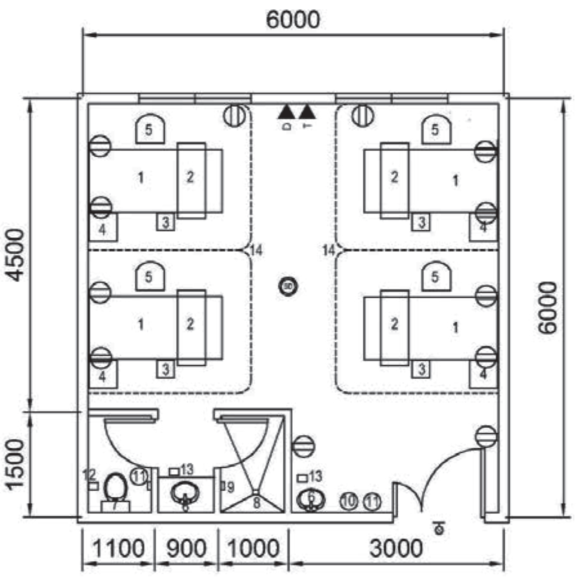
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A & G
Hot water	N/A
Cold water	required at lavatory & toilet fixtures
Drainage	required at lavatory, toilet fixtures and floor
Medical Oxygen	20 lpm/bed@ 4.0 Bar
Medical Vacuum	40 lpm/bed@ 450mm Hg
Compressed air	N/A
Steam	N/A
Others	suction outlet required

DIRECT DEMANDS ON FLOOR AND WALL

Loading	NA
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	bed, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key :

1. Adjustable Hospital Bed
2. Overbed Table
3. Footstool
4. Bedside Cabinet
5. Chair, upright, stacking
6. Lavatory
7. Water Closet w/ spray hose
8. Shower Set
9. Faucet
10. Waste Bin, general
11. Waste Bin, infectious
12. Floor Strainer
13. Concealed Floor Drain
14. Curtain Rod

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **ISOLATION ROOM**	Reference Sheet Number: **NU-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:			
This activity space provides facilities needed for the following activities:	**EQUIPMENT AND ACCESSORY CHECKLIST**	**QUANTITY**	**REMARKS**
a. Patient may arrive ambulatory, in a wheelchair or on a stretcher trolley. b. Transfer of patient to a hospital bed from a wheelchair or a stretcher trolley and vice versa. c. Patient undresses/dresses in the vicinity of hospital bed, with or without assistance. d. Patient takes meals in bed or at sitting area. e. Patient receives visitors. f. Patient stores clothing and other personal belongings. g. Patient requires privacy. h. Patient makes use of toilet and bath. i. Use of monitoring/diagnosticequipment on the patient. j. Physicians and nurses check on the patient. k. Handwashing and other clean-up activities. l. Nurse gives medication to patient. m. With the absence of a relative or watcher, nurse may feed or wash patient.	Television Waste Bin w/ yellow lining Water Heater	1 1 1	 infectious
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 1 x Patient 2 x Visitors 1 x Resident Physician/Medical Specialist 1 x Nurse or Nursing Aide	Adjustable hospital bed Overbed Table Chair, upright, stacking Footstool Bedside Cabinet Closet PPE Cabinet	1 1 1 1 1 1 1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Accessible to the Nurse Station b. Located at the end portion of the Nursing Ward c. Close to medical/surgical services.	Window curtain rail Bed Lamp Outlet, 10A,2P,240V,duplex Outlet, 10A, 2P, 240V Nurse call station, emergency Outlet, antenna/cable Outlet, DATA Outlet, Telephone Smoke Detector	1 6 3 1 1 1 1 1	 grounding type, universal for emergency light with pendant switch

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **ISOLATION ROOM**	Reference Sheet Number: **NU-RDS-06B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	50
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu. m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.75		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	medical staff, relatives/watcher and patient
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NURSING WARDS**	Room Title: **TYPICAL ISOLATION ROOM**	Reference Sheet Number: **NU-RDS-06C**

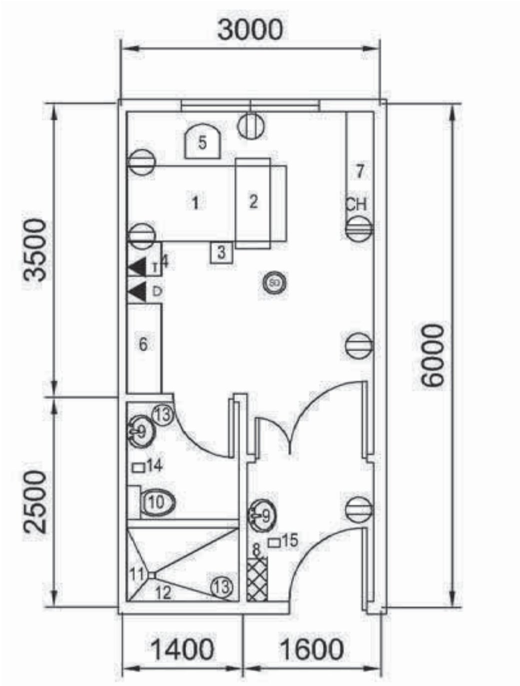
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A & G
Hot water	required at shower
Cold water	required at lavatory & toilet fixtures
Drainage	required at lavatory, toilet fixtures & toilet floor
Medical Oxygen	30 lpm @ 4.0 Bar
Medical Vacuum	40 lpm @ 450 mm Hg
Compressed air	N/A
Steam	N/A
Others	suction outlet required

DIRECT DEMANDS ON FLOOR AND WALL

Loading	NA
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	bed, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key :
1. Adjustable Hospital Bed
2. Overbed Table
3. Footstool
4. Bedside Cabinet
5. Chair, upright, stacking
6. Closet
7. Cushioned Bench
8. PPE (Personal Protective Equipment)
9. Lavatory
10. Water Closet w/ spray hose
11. Shower Set
12. Faucet
13. Waste Bin, infectious
14. Floor Strainer
15. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

VOLUME 3

STANDARD PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

3.6 OPERATING ROOM SERVICE FACILITIES

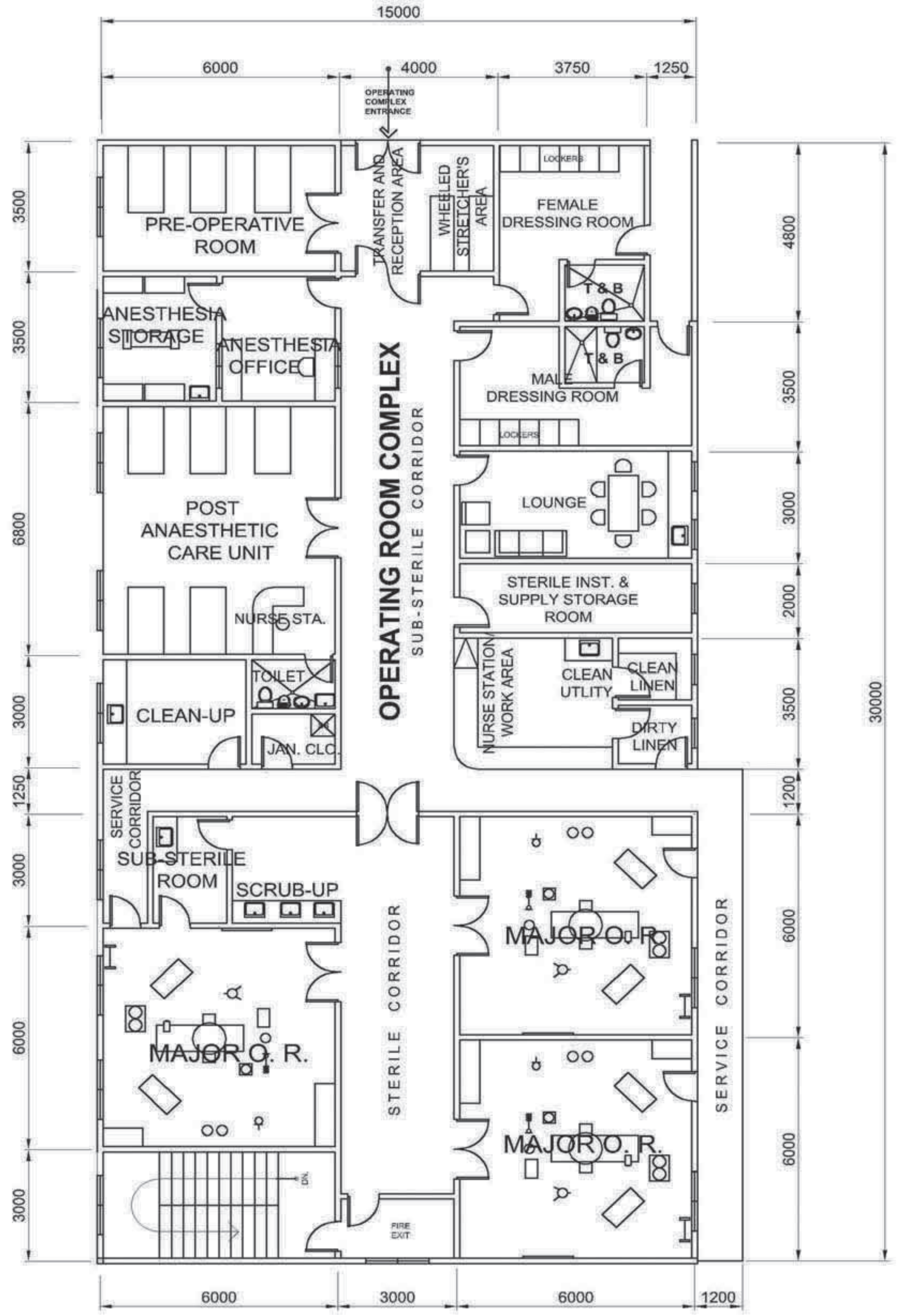
Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Hospital: 100-Bed (Level 2)	SERVICE FACILITY SHEET INDEX	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Service Facility Title: **OPERATING ROOM COMPLEX**	Reference Sheet Number: **OR-SFSI-06**

ROOM TITLE	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
OPERATING ROOM COMPLEX		**283.625**		
TRANSFER AREA	18.4		OR-RDS-01	399
LOCKERS AND TOILETS & BATHS	30.4		OR-RDS-02	402
LOUNGE	18		OR-RDS-03	405
PRE-OPERATIVE ROOM	21		OR-RDS-04	408
SURGICAL SUPERVISOR'S AREA	21		OR-RDS-05	411
ANESTHESIOLOGIST'S OFFICE	10.5		OR-RDS-06	414
ANESTHESIA STORAGE	10.5		OR-RDS-07	417
STERILE INSTRUMENT AND SUPPLY STORAGE	12		OR-RDS-08	420
SCRUB-UP	8.4		OR-RDS-09	423
SUB-STERILE	6		OR-RDS-10	426
OPERATING ROOM	36		OR-RDS-11	429
CLEAN-UP ROOM	11.25		OR-RDS-12	432
POST-ANAESTHETIC CARE UNIT	40.8		OR-RDS-13	435
JANITOR'S CLOSET	3.375		OR-RDS-14	438
FAMILY / WORSHIP ROOM	36		OR-RDS-15	441
INTENSIVE CARE UNIT		**83.5**		
PATIENT TREATMENT AREA	51		OR-RDS-16	445
ISOLATION ROOM	10.5		OR-RDS-17	448
OFFICE	4.8		OR-RDS-18	451
FAMILY COUNSELING ROOM	4		OR-RDS-19	454
VISITORS' DRESSING ROOM	5		OR-RDS-20	457
STAFF LOCKERS/TOILET & BATH	5		OR-RDS-21	460
SOILED UTILITY/LINEN	3.2		OR-RDS-22	463
CENTRAL STERILIZING AND SUPPLY ROOM (CSSR)		**72**		
RECEIVING AREA	7.92		OR-RDS-23	467
WORK AREA	38.94		OR-RDS-24	470
AUTO-CLAVE ROOM	7.14		OR-RDS-25	473
STORAGE ROOM	18		OR-RDS-26	476

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Reference Sheet Number: **OR-DDS-01A**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **TRANSFER AREA**	Reference Sheet Number: **OR-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Patient scheduled for surgery is transferred from ward stretcher to surgical suite stretcher.	Ward Stretcher Surgical Suite Stretcher	1 1	ward use surgical suite use
People Involved: 2 x Nursing Attendant 1 x Patient	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Located at the entrance of the O.R. Suite.	Smoke Detector Outlet, 10A,2P,240V,duplex Outlet, 10A, 2P, 240V, single	1 3 1	grounding type, parallel slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **TRANSFER AREA**	Reference Sheet Number: **OR-RDS-01B**

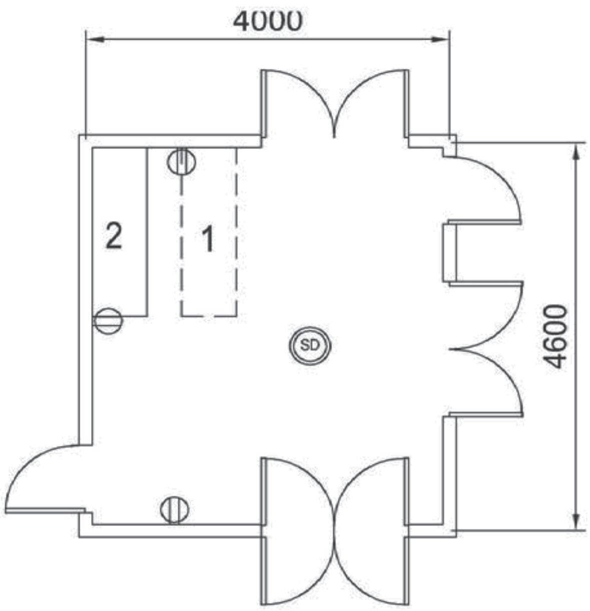
TECHNICAL DESIGN DATA:			
ENVIRONMENTAL CONDITIONS	**DESIGN DATA**	**ENVIRONMENTAL CONDITIONS**	**DESIGN DATA**
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential:desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff and patient
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **TRANSFER AREA**	Reference Sheet Number: **OR-RDS-01C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	N/A
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Ward stretcher
2. Surgical Suite stretcher

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **LOCKERS AND TOILETS & BATHS**	Reference Sheet Number: **OR-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. OR staff to change clothes in toilet and bathroom. b. OR staff to bathe in the bathroom. c. Storing of clothing and personal effects.	Linen hamper Waste Bin, w/ black lining Dressing cubicle Water Heater, potable	2 4 2 2	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Resident Physicians	Locker, 500 x 600 Bench, 500x1800 Water Closet w/ spray hose Urinal Lavatory Shower Set Floor Strainer	12 2 2 1 2 2 2	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Operating Room Suite. b. Close to access door of Operating Room Suite.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Smoke Detector Outlet, DATA	2 10 2 2	grounding type, universal

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **LOCKERS AND TOILETS & BATHS**	Reference Sheet Number: **OR-RDS-02B**

TECHNICAL DESIGN DATA:

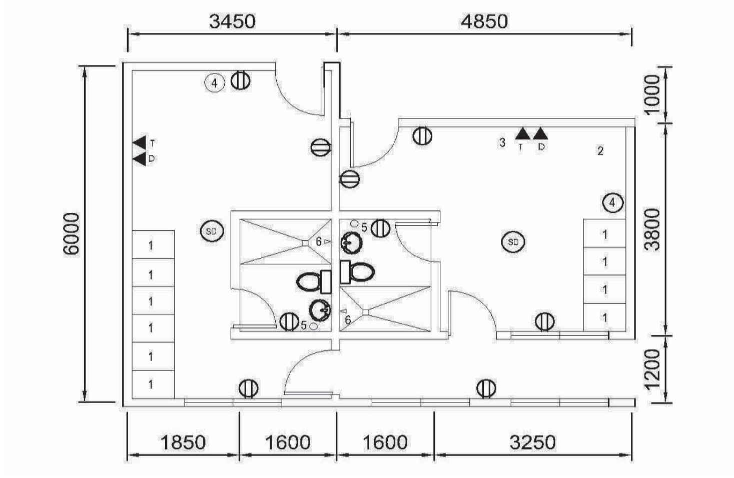
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	85	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at toilet and bath
		Maximum temperature (deg. C)	70
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **MALE/FEMALE LOCKERS AND TOILETS & BATHS**	Reference Sheet Number: **OR-RDS-02C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at shower
Cold water	required at toilet
Drainage	provide floor drain at toilet
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium : heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL:desirable unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key
1. Lockers
2. Dressing cubicle
3. Bench, 500x1800
4. Linen hamper
5. Waste Bin
6. Shower

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **LOUNGE**	Reference Sheet Number: **OR-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Resident Physician to take rest in between surgeries.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Airconditioning Unit	1	
Waste Bin w/ black lining	1	

People Involved:

Resident Physicians & OR Staff

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
3-seater sofa, w/o arms, 700x1800mm	1	
Easy chair, 600x700	1	
Corner table, 600x600	1	
Dining chair	6	
Dining Table, 750x1500	1	
Sink	1	
Concealed Floor Drain w/ waterless trap	1	

Planning Relationships:

a. Close to Operating Room Suite.
b. Close to access door of Operating Room Suite.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, 10A, 2P, 240V, duplex	5	grounding type, universal
Outlet, DATA	1	
Outlet, telephone	1	
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **LOUNGE**	Reference Sheet Number: **OR-RDS-03B**

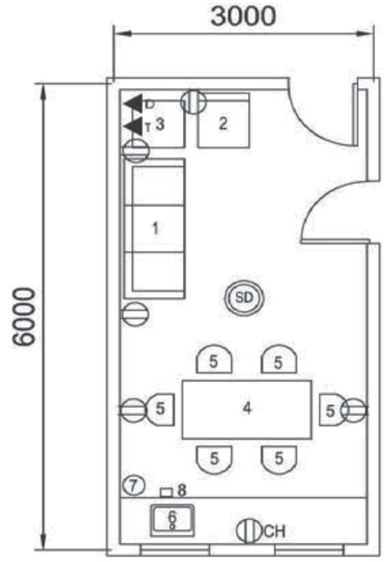
TECHNICAL DESIGN DATA:			
ENVIRONMENTAL CONDITIONS	**DESIGN DATA**	**ENVIRONMENTAL CONDITIONS**	**DESIGN DATA**
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	150
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential:desirable: UNNECESSARY
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **LOUNGE**	Reference Sheet Number: **OR-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. 3-seater sofa, w/o arms, 700x1800
2. Easy chair, 600x700
3. Corner table, 600x600
4. Dining table, 750x1500
5. Dining chair
6. Sink in counter, 900mm high
7. Waste Bin
8. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **PRE-OPERATIVE**	Reference Sheet Number: **OR-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Patient may arrive on a stretcher. b. Patient may arrive in a wheelchair. c. Transfer patient to/from a stretcher/wheelchair to examining bed and vice-versa. d. Preparation of a patient for surgery. e. Evaluation of laboratory tests and medical history. f. Sterilizing the bowel with drugs. g. Anesthesia is administered.	Thermometer, non-mercurial Sphygmomanometer, non-mercurial Paper towel dispenser Towel Rack Gooseneck lamp Waste Bin Sharps collector	1 1 1 1 1 3 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Anesthesiologist 1 x Nurse 1 x Nursing Attendant 1 x Patient	Footstool Examining Bed	3 3	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Anesthesia Office. b. With direct access to Transfer and Reception Area.	Outlet, telephone	1	
	Window curtain rail	1	
	Cubicle curtain rail	2	
	Outlet, DATA	1	
	Outlet 10A, 2P, 240V, duplex	11	grounding type, universal
	Smoke Detector	1	
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Airconditioning Unit	1	window/split type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **PRE-OPERATIVE**	Reference Sheet Number: **OR-RDS-04B**

TECHNICAL DESIGN DATA:

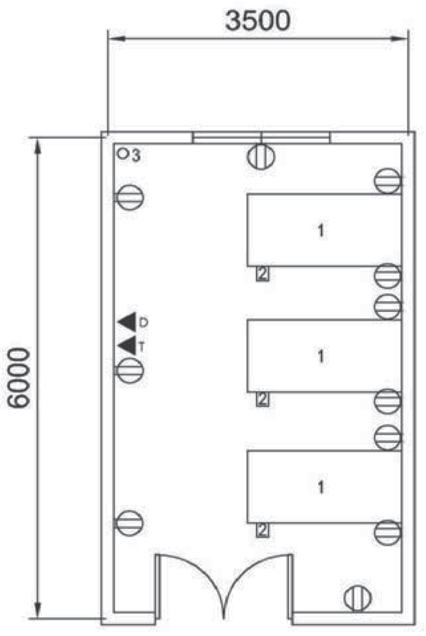
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	medical staff and patient
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **PRE-OPERATIVE**	Reference Sheet Number: **OR-RDS-04C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	Medical Oxygen : 30 lpm/bed @ 4.0 Bar Medical Vacuum : 40 lpm/bed @ 450mm Hg
Compressed air	30 lpm/bed @ 4.0 Bar
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirale: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	Clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Bed
2. Footstool
3. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **SURGICAL SUPERVISOR'S AREA**	Reference Sheet Number: **OR-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Surgical Supervisor reads and writes in his work station. b. Surgical Supervisor records, stores and retrieves data from data file.	Linen hamper Waste Bin w/ black lining	2 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Surgical Supervisor 1 x Nurse or Nursing Attendant	Chair, upright, stacking Counter, open below Computer table Cabinet, wall-hung Chair, upright, stacking Glass board Shelving, 450mm deep Sink Concealed Floor Drain w/ waterless trap	2 1 2 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Doctor's Locker Room b. Adjacent to Operating Room.	Outlet, 10A,2P,240V, duplex Outlet, DATA Outlet, telephone Outlet, 10A, 2P, 240V, single Smoke Detector	6 1 1 3 3	grounding type universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **SURGICAL SUPERVISOR'S AREA**	Reference Sheet Number: **OR-RDS-05B**

TECHNICAL DESIGN DATA:

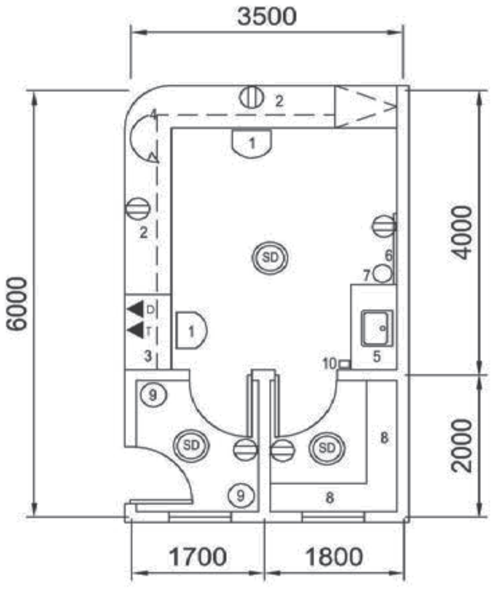
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	N/A
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	25	Colour rendering	essential:desirable: UNNECESSARY
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **SURGICAL SUPERVISOR'S AREA**	Reference Sheet Number: **OR-RDS-05C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT:medium heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Chair, upright, stacking
2. Counter, open below
3. Computer table
4. Cabinet, wall-hung
5. Sink-in-counter, 900mm high
6. Glass Board
7. Waste Bin
8. Shelving, 450mm deep
9. Linen Hamper
10. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **ANESTHESIOLOGIST'S OFFICE**	Reference Sheet Number: **OR-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Anesthesiologist reads and writes in his work station.
b. Anesthesiologist records, stores and retrieves data from data file.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste Bin w/ black lining	1	

People Involved:

1 x Anesthesiologist
1 x Nurse or Nursing Attendant

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Chair, upright, stacking	2	
Counter, open below		
Computer table	1	
Cabinet, wall-hung		
Counter, 900mm high, cabinets below		

Planning Relationships:

a. Close to Dresser, Locker Room and toilet & bath
b. Adjacent to Operating Room.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A,2P,240V, duplex	4	grounding type universal
Outlet, DATA	1	wall-mounted
TV outlet	1	ceiling-mounted
Telephone outlet	1	desktop
Smoke Detector	1	ionization type
Outlet, 10A, 2P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **ANESTHESIOLOGIST'S OFFICE**	Reference Sheet Number: **OR-RDS-06B**

TECHNICAL DESIGN DATA:

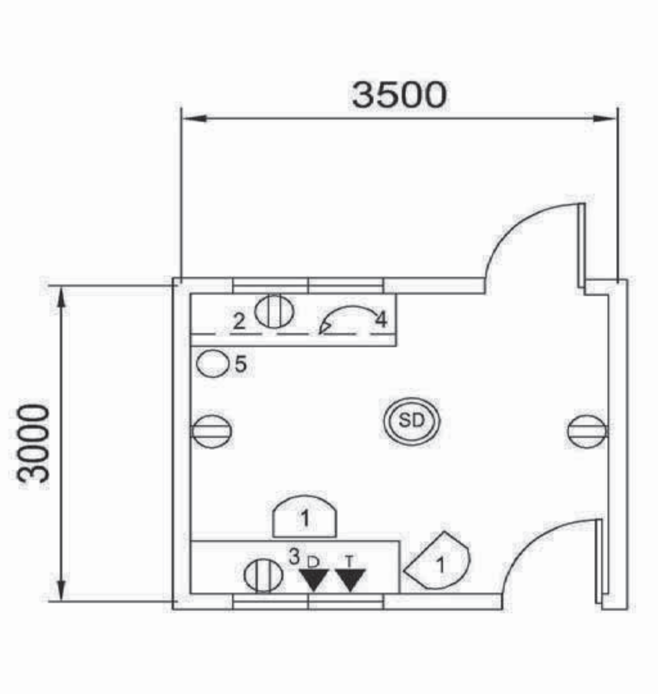
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	25	Colour rendering	essential:DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: UNNECESSARY
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.7		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **ANESTHESIOLOGIST'S OFFICE**	Reference Sheet Number: **OR-RDS-06C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	LIGHT:medium heavy
Spillage	N/A
Foot traffic	LIGHT:medium heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control
	privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Chair, upright, stacking
2. Counter, open below
3. Computer table
4. Cabinet, wall-hung
5. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2014	Department: OPERATING ROOM COMPLEX	Room Title: ANESTHESIA STORAGE	Reference Sheet Number: OR-RDS-07A

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of materials related to anaesthetics. b. Retrieval of stored materials. c. Physical inventory of stored materials.	Waste Bin w/ yellow lining	1	pharmaceutical
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Resident Physician/Anesthesiologist	Shelving, 450mm deep Sink with gooseneck spout and foot control or sensor type Concealed Floor drain w/ waterless trap	4 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Located within the Surgical Area. b. Close to Surgical Supervisor's Area.	Explosion-proof light fixture Smoke detector Explosion-proof outlet	1 1 1	2-40 W ionization type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **ANESTHESIA STORAGE**	Reference Sheet Number: **OR-RDS-07B**

TECHNICAL DESIGN DATA:

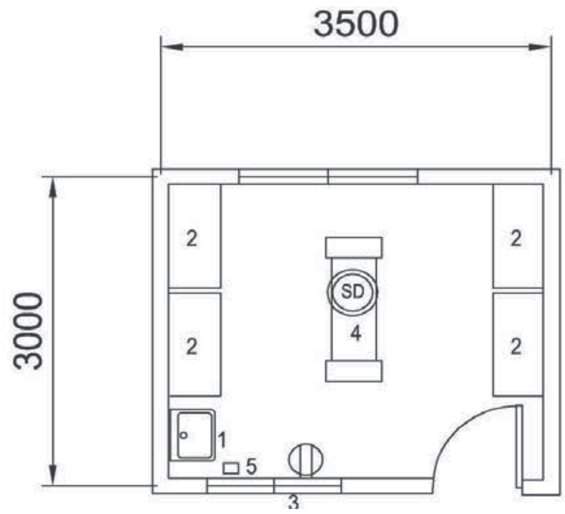
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	25	Colour rendering	essential:desirable: UNNECESSARY
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	ESSENTIAL:desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.7		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	50	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **ANESTHESIA STORAGE**	Reference Sheet Number: **OR-RDS-07C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: D
Hot water	requred at sink
Col water	required at sink
Drainage	provide floor drain
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light:MEDIUM:heavy
Spillage	SLIGHT: occasional:frequent
Foot traffic	LIGHT:medium heavy
Wheel traffic	N/A
Impacts	LIGHT: medium: heavy
Abrasion	LIGHT: medium: heavy
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door w/ vision panel
Windows	clear, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. Sink w/ gooseneck spout & kneen or elbow control
2. Shelving, 450mm deep
3. Partition w/ glass in upper panel
4. Explosion-Proof Fluorescent Light
5. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **STERILE INSTRUMENT & SUPPLY STORAGE**	Reference Sheet Number: **OR-RDS-08A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Nurse checks the availability of supplies for issuance. b. Nursing Attendants prepare needed supplies and articles listed in requisition form. c. Nursing Attendants pack items individually, in bulk or wrap w/ clean paper before issuance. d. Nurse performs physical inventory and update stock cards. e. Nurse receives sterile supplies and instruments, puts entry into stock cards and stores supplies into shelves.			
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Nurse 1 x Nurse Attendants	Shelving, 450mm deep Instrument cabinet	 2	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Located at the Surgical Area. b. Adjacent to Surgical Supervisor's Area.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	1 2 1 1	 grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **STERILE INSTRUMENT & SUPPLY STORAGE**	Reference Sheet Number: **OR-RDS-08B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **STERILE INSTRUMENT & SUPPLY ROOM**	Reference Sheet Number: **OR-RDS-08C**

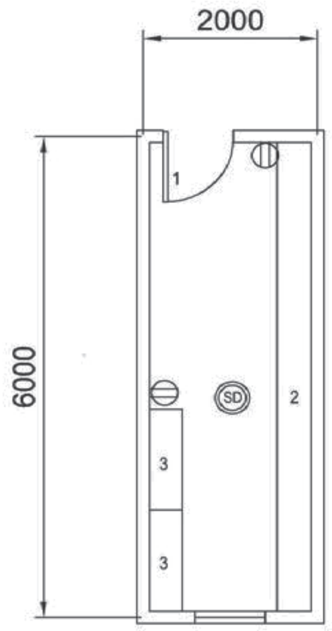
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	light: MEDIUM: heavy
Spillage	N/A
Foot traffic	LIGHT:medium heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door w/ vision panel
Windows	clear, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. Door w/ vision panel
2. Fixed Shelving, 450mm deep
3. Instrument cabinet

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **SCRUB-UP**	Reference Sheet Number: **OR-RDS-09A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Physician and nurses rinse arms and hands with water and soap prior to and after surgical operation.

People Involved:

1 x Physician
1 x Nurse

Planning Relationships:

a. Adjacent to Operating Room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Clock	1	stainless
Soap Dispenser	3	
Hand Dryer	1	
Waste Bin w/ yellow lining	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Shelves , 300mm deep		
Scrub and sink w/ gooseneck spout and foot control	3	stainless
Concealed Floor Drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A,2P,240V, duplex	2	grounding type, or drier (touch free)
Floor Drain	1	
Smoke Detector	1	ionization type
Outlet, 10A, 1P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **SCRUB-UP**	Reference Sheet Number: **OR-RDS-09B**

TECHNICAL DESIGN DATA:

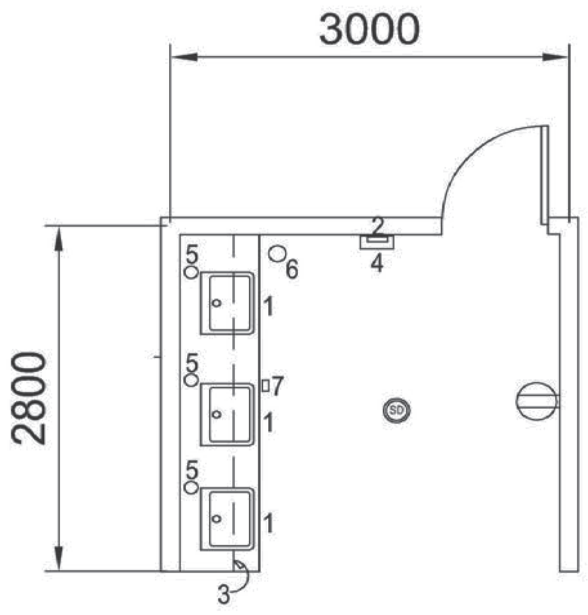
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	250
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	25	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	30	Standby light	essential: desirable: UNNECESSARY
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	essential:desirable: UNNECESSARY
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.6		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at scrub sink
		Maximum temperature (deg. C)	70
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **SCRUB-UP**	Reference Sheet Number: **OR-RDS-09C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	required at sink
Cold water	required at sink
Drainage	provide floor drain
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light:MEDIUM:heavy
Wheel traffic	LIGHT:medium:heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	operating table, stretcher trolley access
Windows	nil
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. Scrub sink w/ gooseneck spout & foot control, sensor type
2. Clock
3. Shelves over scrub sink
4. Hand drier
5. Soap dispenser
6. Waste Bin, infectious
7. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **SUB-STERILE**	Reference Sheet Number: **OR-RDS-10A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Preparation of packed surgical instruments. b. Storing and retrieving of instruments from cabinets. c. Minor sterilizing works. d. Handwashing and other clean-up activities.	Small instrument sterilizer	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Physician 1 x Nurse or Nursing Attendant	Sink and drainboard Counter, 900mm high, open below	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Operating Room. b. Adjacent to Scrub-up Room.	Window curtain rail	1	
	Outlet, 10A,2P,240V, duplex	3	grounding type, universal
	Smoke Detector	1	ionization type
	Outlet 10A, 2P, 240V, single	1	for emergency light
	ACU window/split type	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **SUB-STERILE**	Reference Sheet Number: **OR-RDS-10B**

TECHNICAL DESIGN DATA:

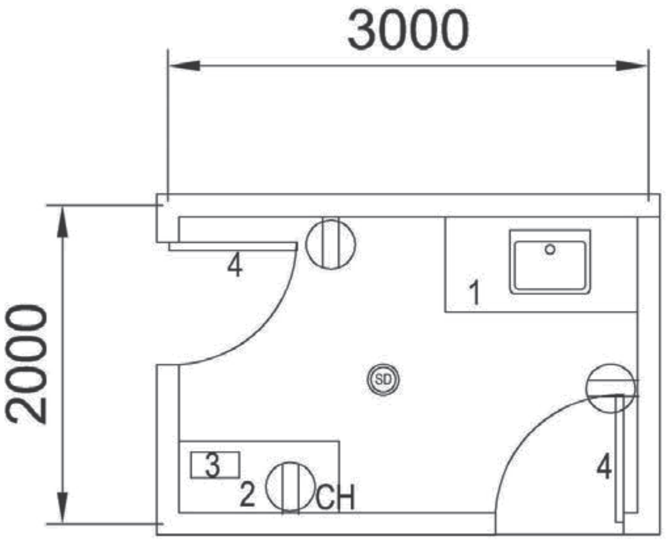
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	25	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	30	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	medical staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **SUB-STERILE**	Reference Sheet Number: **OR-RDS-10C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	required at sink
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door w/ vision panel
Windows	clear, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. Sink and Drainboard
2. Counter, 900mm high, open below
3. Small Instrument Sterilizer
4. Door w/ vision panel

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **OPERATING ROOM**	Reference Sheet Number: **OR-RDS-11A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient arrives on a stretcher trolley.
b. Patient is transferred from stretcher trolley to operating table.
c. Anesthesia is administered.
d. Clinical handwashing.
e. Use of diagnostic equipment.
f. Patient is surgically operated.
g. Pre-operative care.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Double X-ray film illuminator	1	
Anesthesia Unit	1	w/ scavenging system
Clock	1	
Operating Light	1	
UV Light	1	
Oxygen Unit	1	w/ tank holder
Nitrogen	1	
O2 tank holder	1	
Negatoscope	1	
OR table	1	
Glass/white board	1	
Suction apparatus	1	
Tracheostomy set	1	
Laryngoscope	1	
E-cart	1	
Suction machine	1	
Orthopedic instrument set	1	
ACU	1	
Cardial monitor w/ pulse Oximeter	1	
Sphygmomanometer, non-mercurial	1	
Defibrillator	1	

People Involved:

2 x Physicians
1 x Circulatory Nurse
1 x Patient
1 x Scrub Nurse
1 x Anesthesiologist

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Double basin stand	1	
Instrument table	2	
Mayo table	1	
Operating table	1	
Footstool	2	
Kick bucket	2	
Sponge rack	1	
Single basin stand	1	
Anesthetist's stool	1	
Anesthetist's table	1	
Adjustable stool	2	
Irrigator stand	1	
Pack table	1	
Adjustable open shelving	1	
OR instrument cabinet	1	

Planning Relationships:

a. Adjacent to Sub-Sterilizing room.
b. Adjacent to Scrub-Up.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Shades, light proof	1	light proof for special eye or dark room surgery
Outlet, 10A,2P,240V, duplex	11	grounding type, universal
Outlet,10A,2P,240V, single	2	for emergency light
Isolation Monitor	1	1.60 m above floor
Grounding terminal	4	duplex
Outlet, DATA	1	wall-mounted
Outlet, telephone	1	
Heat detector	1	hospital grade, locking type, mounted 1.6m above floor finish or explosion proof mounted at standard height

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **OPERATING ROOM**	Reference Sheet Number: **OR-RDS-11B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	750-1000
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	20,000 - 40,000
Volume (cu. m./hr.-person)	25	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff and patient
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU

Updated Reference:	Department:	Room Title:	Reference Sheet Number:
MAY 2014	**OPERATING ROOM COMPLEX**	**OPERATING ROOM**	**OR-RDS-11C**

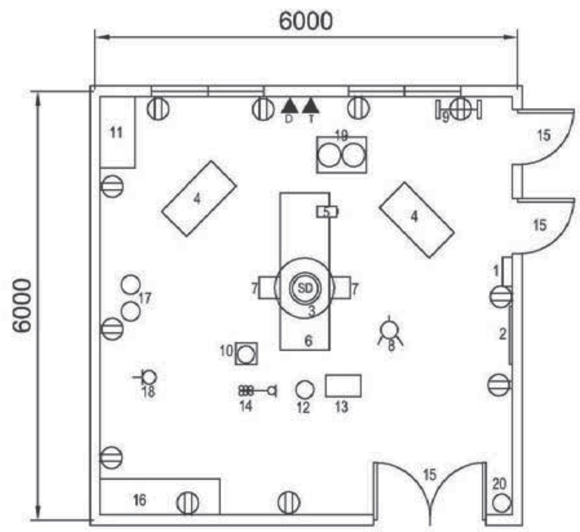
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Col water	N/A
Drainage	N/A
Gas	Medical Oxygen : 30 lpm/bed @ 4.0 Bar ; Medical Vacuum : 100 lpm/rm. @ 450mm Hg.
Compressed air	30 lpm/rm. @ 4.0 Bar
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	light: MEDIUM: heavy
Spillage	LIGHT:medium heavy
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door w/ vision panel
Windows	clear, solar control, fixed height
Internal Glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key :

1. Clock
2. Double X-ray Film Illuminator
3. Operating Light
4. Instrument Table
5. Mayo Table
6. Operating Table
7. Footstool
8. Kick Bucket
9. Sponge Rack
10. Single Basin Stand
11. Pack Table
12. Anesthetist's Stool
13. Anesthetist's Table
14. Anesthesia Unit
15. Door w/ Vision Panel
16. Adjustable, open shelving, 500mm deep
17. Adjustable Stool
18. Irrigator Stand
19. Double Basin Stand
20. Floor Clean-Out

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **CLEAN-UP ROOM**	Reference Sheet Number: **OR-RDS-12A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Nurse and Nursing Attendant perform post-operation clean-up activities.

People Involved:

1 x Nurse
1 x Nursing Attendant

Planning Relationships:

a. Close to Operating Room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Clinical sink	1	
Double compartment laundry tray with drainboard	1	
Waste Bin w/ yellow lining	2	infectious and pharmaceutical

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Counter w/ cabinet below, 600mm wide		
Counter, open below, 900mm high		
Linen hamper	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, 10A, 2P, 240V	2	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke detector	1	ionization type
Outlet, DATA	1	hands-free type, wall-mounted
Outlet, telephone	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **CLEAN-UP ROOM**	Reference Sheet Number: **OR-RDS-12B**

TECHNICAL DESIGN DATA:

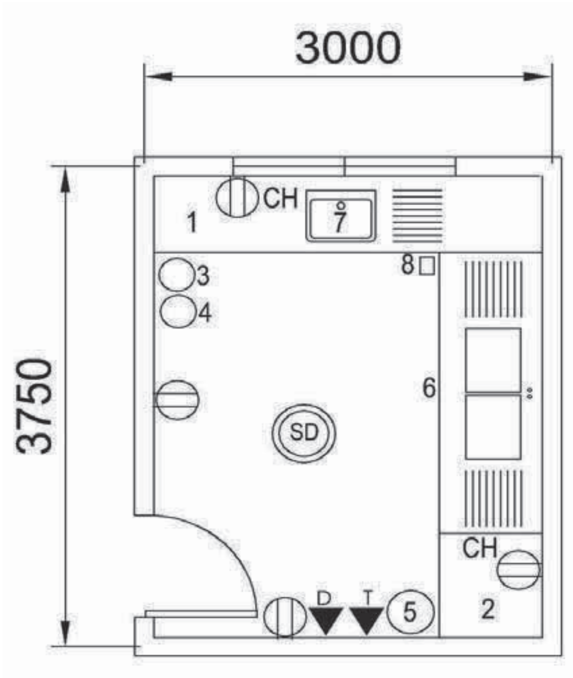
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	30	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	essential: desirable: UNNECESSARY
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.75		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **CLEAN-UP ROOM**	Reference Sheet Number: **OR-RDS-12C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A,B,D
Hot water	required at sink & laundry tray
Col water	required at sink & laundry tray
Drainage	provide floor drain
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key
1. Counter w/ cabinet below, 600mm wide
2. Counter, open below, 900mm high
3. Waste Bin, infectious
4. Waste Bin, pharmaceutical
5. Linen hamper
6. Double Compartment Laundry Tray w/ drainboards
7. Clinical Sink
8. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **POST-ANAESTHETIC CARE UNIT**	Reference Sheet Number: **OR-RDS-13A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient arrives in a stretcher trolley.
b. Patient is transferred from stretcher trolley to bed and vice versa.
c. Nurses and Nursing Atendants monitor vital signs of patient at regular intervals.
d. Use of monitoring and diagnostic equipment.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Stretcher bed	5	
Oxygen outlet, mounted 1600mm	5	
Suction outlet, mounted 1600mm	5	
Suction apparatus	1	
Waste Bin w/ yellow lining	2	infectious
Laundry hamper	1	
Standby BP apparatus	1	
Wall clock	1	
Emergency light	1	
Oxygen unit	1	

People Involved:

1 x Physician
Nurses
Nursing Attendants

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Bedside cabinet, 400x500	5	
Desk, 750x1200	1	
Chair, upright, stacking	5	
Wall cabinet	1	
Shelf, 300mm deep		
Work counter, 700mm deep and 900mm high above and below		
Storage cabinet		
Lavatory w/ gooseneck spout		
Clinical sink w/ bed pan, flushing attached		
Bed pan washer		
Water closet w/ spray hose		
Lavatory		
Urinal		
Floor Strainer		

Planning Relationships:

a. Close to Operating Room Suite.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Nurse Call System	1	set
Window curtain rail	4	
Cubicle curtain rail	4	
Outlet, intercom	1	
Outlet, 10A, 2P, 240V	8	grounding type, parallel slots
Outlet, 15A, 2P, 240V	1	grounding type, tandem slots
Split type ACU, 3 ton	2	preferably ceiling mounted FCU
Smoke detector	2	
Bedlight	4	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **POST-ANAESTHETIC CARE UNIT**	Reference Sheet Number: **OR-RDS-13B**

TECHNICAL DESIGN DATA:

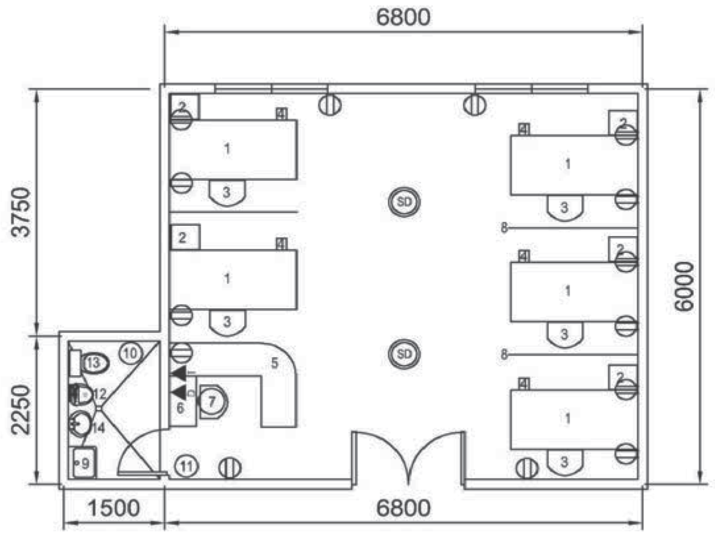
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	100
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu.m./hr.-person)	25	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.75		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	patient and medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **POST-ANAESTHETIC CARE UNIT**	Reference Sheet Number: **OR-RDS-13C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B
Hot water	required at sink
Cold water	required at plumbing fixtures
Drainage	required at toilet
Medical Oxygen	20 lpm/bed @ 4.0 bar
Medical Vacuum	40 lpm/bed @ 450mm Hg
Medical Air	40 lpm/bed @ 4.0 bar
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	SLIGHT:occasional: frequent
Foot traffic	LIGHT:medium: heavy
Wheel traffic	LIGHT:medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	bed, stretcher trolley, wheelchair,chair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key
1. Adjustable hospital bed
2. Bedside cabinets
3. Chair, upright, stacking
4. Footstool
5. Work counter, 900mm high cabinets, above & below
6. Desk, 750x1200
7. Swivel chair
8. Cubicle curtain & rod
9. Clinical sink w/ bed pan, flushing attached
10. Sanitary waste bin
11. Waste Bin, infectious
12. Urinal
13. Water Closet w/ Spray Hose
14. Lavatory

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **JANITOR'S CLOSET**	Reference Sheet Number: **OR-RDS-14A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of janitor's cleaning tools.			
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Janitor	Slop Sink Open shelving Floor Strainer	1 2 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Delivery Room.	Smoke Detector Outlet, 10A, 2P, 240V, single Outlet, 10A, 2P, 240V, duplex	1 1 1	 for emergency light grounding type universal

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **JANITOR'S CLOSET**	Reference Sheet Number: **OR-RDS-14B**

TECHNICAL DESIGN DATA:

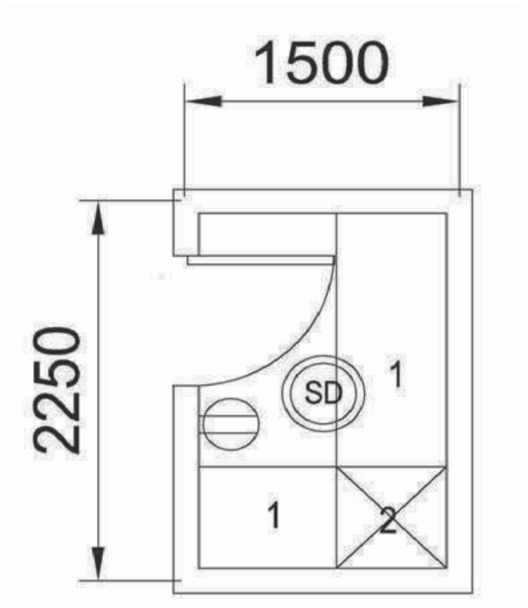
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	N/A	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	NN	Standby light	essential: desirable: UNNECESSARY
Pressure Differential:		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential:desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	janitorial/utility staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM COMPLEX**	Room Title: **JANITOR'S CLOSET**	Reference Sheet Number: **OR-RDS-14C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	required at slop sink
Drainage	provide floor drain at slop sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	N/A
Foot traffic	LIGHT:medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key
1. Open shelving
2. Slop Sink w/ drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM SUITE**	Room Title: **FAMILY/WORSHIP ROOM**	Reference Sheet Number: **OR-RDS-15A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Companions and visitors of patients in the Intensive Care Unit and PACU take rest and await news of patient's status.	Waste Bin, w/ black lining Steel Filing Cabinet, 500x700	2 1	biodegradable and non-biodegradable
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Patients, companions and visitors.	3-Seater Sofa, 750x2000 2-Seater Sofa, 750x1500 Single-Seater Sofa, 750x750 Centre Table, 600x1500 Centre Table, 600 dia. Corner Table, 700x700 Sink Urinal Lavatory Water closet w/ spray hose Floor Strainer Concealed Floor Drain w/ waterless trap	2 3 1 2 1 3 1 2 2 2 4 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to ICU and PACU. b. Close to O.R. Suite access.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet 10A, 2P, 240V, single Outlet, telephone Outlet, DATA Smoke detector	2 10 1 1 1 1	 grounding type, universal slots for emergency light payphone

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM SUITE**	Room Title: **FAMILY / WORSHIP ROOM**	Reference Sheet Number: **OR-RDS-15B**

TECHNICAL DESIGN DATA:

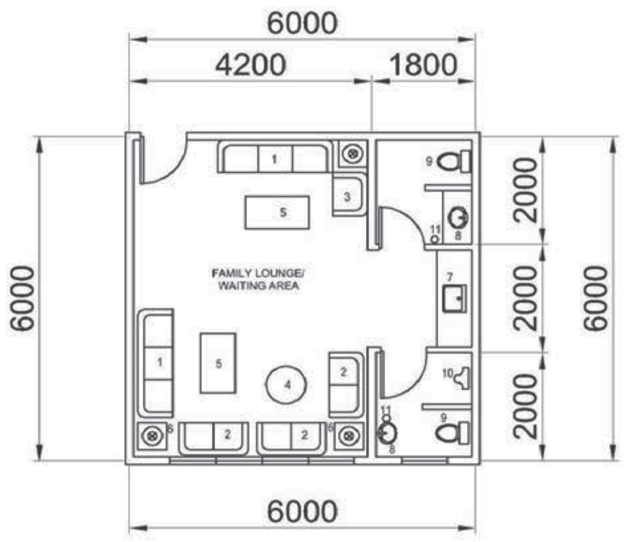
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General Illumination (LUX)	150
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./min.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential:desirable: UNNECESSARY
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.5		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	patients' relatives & hospital staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **OPERATING ROOM SUITE**	Room Title: **FAMILY / WORSHIP ROOM**	Reference Sheet Number: **OR-RDS-15C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at sink & lavatory
Cold water	required at sink & lavatory
Drainage	provide floor drain at toilets
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	Llight: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	Clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. 3-Seater Sofa, 750x2000
2. 2-Seater Sofa, 750x1500
3. Single-Seater Sofa, 750x750
4. Centre Table, 600x1500
5. Centre Table, 600 dia.
6. Corner Table, 700x700
7. Sink-in-counter
8. Lavatory
9. Water closet
10. Urinal
11. Waste Bin

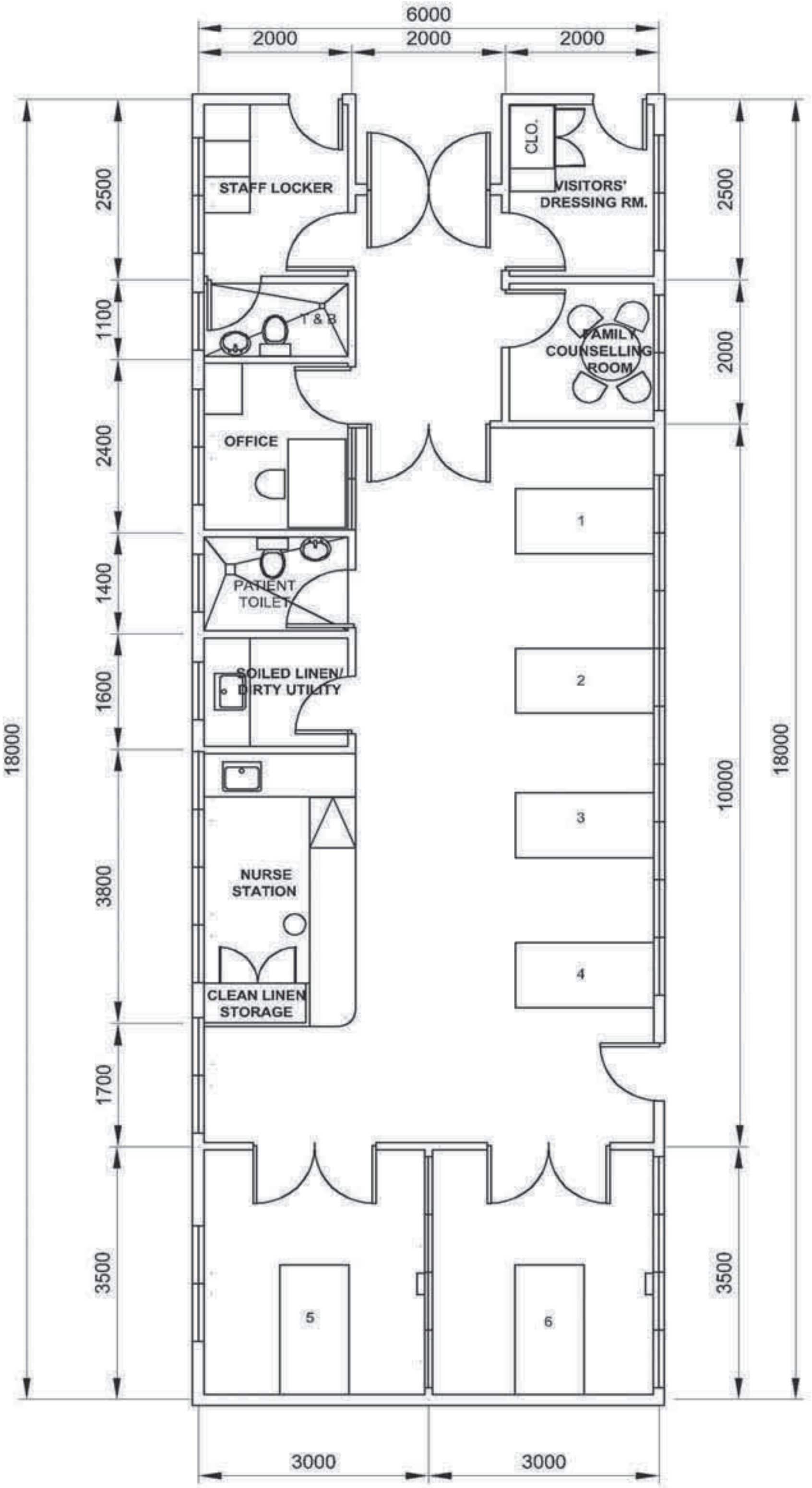
SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2014	Department: INTENSIVE CARE UNIT	Reference Sheet Number: OR-DDS-01B

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **PATIENT/TREATMENT AREA**	Reference Sheet Number: **OR-RDS-16A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Patient arrives in a stretcher trolley. b. Patient is transferred from stretcher trolley to bed and vice versa. c. Nurses and Nursing Attendants monitor vital signs of patient at regular intervals. d. Use of monitoring and diagnostic equipment. e. High level nursing and medical dependency activity.	Hooks, ceiling mounted Bedside monitor Emergency light Central monitor/cardiac Volume respirator Wall mounted sphygmomanometer Pediatric cuffs Pediatric ambu bag Adult/pedia ambu bag Suction apparatus Oxygen gauges Laryngoscope w/ blades of assorted sizes E-cart O2 set O2 tank holder Monitor/pulse Oxymeter Tracheostomy set EENT diagnostic set Infusion pump Mirror set Respirator/defibrillator Waste Bin w/ yellow lining Puncture-proof Container	4 4 3 1 1 4 2 2 2 2 1 set 2 sets 1 4 4 4 1 2 sets 1 2 2 2 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
4 x Patients 1 x Resident Physician 1 x Nurse 1 x Nursing Attendant	Mechanical Bed Counter, 900mm high, shelves and cabinets below Wall-hung cabinets Sink-in-counter, cabinets below Adjustable Stool Emergency light Central monitor Footstool Overbed table Airconditioner Screen	4 1 1 1 4 4 2	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Operating/Delivery Room Suite.	Window curtain rail Outlet, DATA Outlet, 10A, 2P, 240V, duplex Outlet 10A, 2P, 240V, single Split type ACU, 3 ton Outlet, telephone Smoke detector	4 1 18 2 2 1 2	grounding type, universal slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **PATIENT/TREATMENT AREA**	Reference Sheet Number: **OR-RDS-16B**

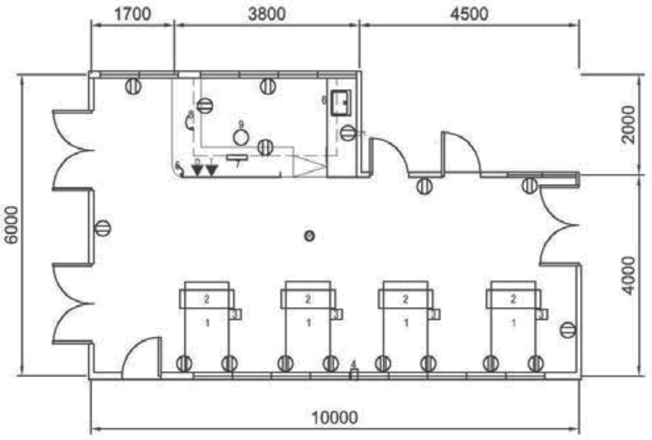
TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	100
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu. m./hr.-person)	12.75	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	900	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	6.0 TR		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	patient and medical staff
		Fire risk	LOW: medium: high
		Other risks	infection from transmissible diseases

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **PATIENT/TREATMENT AREA**	Reference Sheet Number: **OR-RDS-16C**

TECHNICAL DESIGN DATA:	
DIRECT SERVICES	**DESIGN DATA**
Disposal	hospital solid waste type: A,B,G
Hot Water	required at sink
Cold Water	required at sink
Drainage	N/A
Medical Oxygen	20 lpm/bed @ 4.0 Bar
Medical Vacuum	40 lpm/bed @ 450 mm Hg
Medical Air	40 lpm/bed @ 4.0 Bar
Others	N/A
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	bed,stretcher trolley, wheelchair
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Mechanical Bed
2. Overbed Table
3. Footstool
4. Emergency Light
5. Counter, 900mm high, shelves and cabinets below
6. Sink-in-counter, cabinets below
7. Central Monitor
8. Wall-hung Cabinet
9. Adjustable Stool

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **ISOLATION ROOM**	Reference Sheet Number: **OR-RDS-17A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Patient arrives in a stretcher trolley. b. Patient is assessed by the physician and nurse to determine isolation requirements. c. Use of monitoring and diagnostic equipment. d. High level nursing and medical dependency activity. e. Nurses and nursing attendants screen potentially infectious visitors.	Bedside monitor Emergency light Volume respirator Wall-mounted sphygmomanometer Pediatric cuffs Pediatric ambu bag Adult/pedia ambu bag Suction apparatus Oxygen gauges O2 set O2 tank holder Monitor/pulse Oxymeter Tracheostomy set Infusion pump Respirator/defibrillator ICU patient headwall ICU IV track	2 2 2 2 2 2 2 2 2 sets 1 set 2 2 1 set 2 2 2 2	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
2 x Patients 1 x Resident Physician 1 x Nurse 1 x Nursing Attendant	Mechanical Bed Emergency light Footstool Overbed table Airconditioner Screen	2 1 2 2 2 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Operating/Delivery Room Suite.	Window curtain rail Outlet, DATA Outlet, 10A, 2P, 240V, duplex Outlet 10A, 2P, 240V, single Split type ACU, 1 ton Fire Alarm Outlet, telephone Smoke Detector	2 2 8 1 2 1 1 1	 grounding type, universal slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **ISOLATION ROOM**	Reference Sheet Number: **OR-RDS-17B**

TECHNICAL DESIGN DATA:

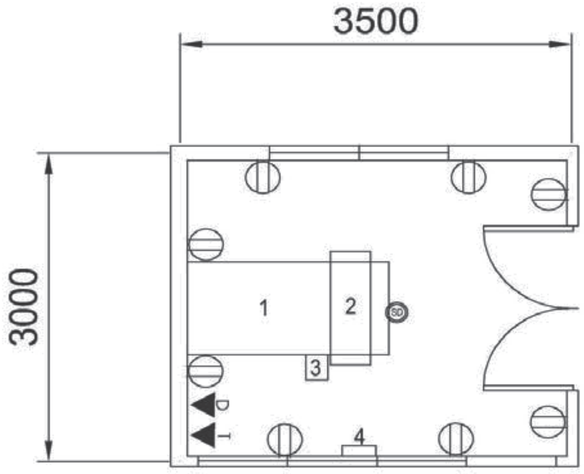
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	100
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu. m./hr.-person)	25	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.7		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	patient and medical staff
		Fire risk	LOW: medium: high
		Other risks	infection from transmissible diseases

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **ISOLATION ROOM**	Reference Sheet Number: **OR-RDS-17C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A,B
Hot water	N/A
Cold water	N/A
Drainage	N/A
Medical Oxygen	20 lpm/bed @ 4.0 Bar
Medical Vacuum	40 lpm/bed @ 450 mm Hg
Medical Air,	40 lpm/bed @ 4.0 Bar
Others	N/A
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	bed,stretcher trolley, wheelchair access, vision panel or sliding glass door
Windows	clear, solar contol, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Mechanical Bed
2. Overbed Table
3. Footstool
4. Emergency Light

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **OFFICE**	Reference Sheet Number: **OR-RDS-18A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Resident Physician reads and writes in his work station. b. Resident Physician records, stores and retrieves data from data file.	Computer Airconditioning Unit Waste Bin w/ black lining	1 1 1	w/ printer & scanner
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Resident Physician	Desk, 600x1200 Clerical Chair, standard Steel Filing Cabinet	1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the ICU unit. b. Adjacent to Operating Room.	Window, curtain rail Outlet, 10A,2P,240V, duplex Outlet, DATA Outlet, telephone Outlet, aircon Outlet, 10A, 2P, 240V, single Smoke Detector	1 2 1 1 1 1 1	 grounding type universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **OFFICE**	Reference Sheet Number: **OR-RDS-18B**

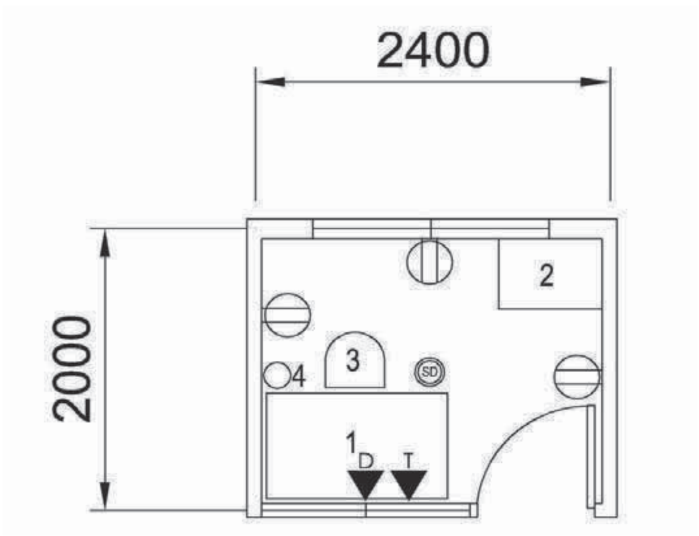
TECHNICAL DESIGN DATA:			
ENVIRONMENTAL CONDITIONS	**DESIGN DATA**	**ENVIRONMENTAL CONDITIONS**	**DESIGN DATA**
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	N/A
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.32		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	resident physician
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **OFFICE**	Reference Sheet Number: **OR-RDS-18C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	N/A
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT:medium heavy
Wheel traffic	LIGHT:medium heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control,
	privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1200
2. Steel Filing Cabinet
3. Clerical Chair, standard
4. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **FAMILY COUNSELING ROOM**	Reference Sheet Number: **OR-RDS-19A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Resident Physician explains to patient's relatives complex medical terminologies and technologies. b. Resident Physician updates and advises patient's relatives on his/her isolation status/prognosis and care preferences while acknowledging uncertainty. c. Clinician listens with patience and sensitivity to relatives' emotions, including anger, grief and guilt. d. Clinician prepares families for a patient's death.	Airconditioning Unit Waste Bin w/ black lining	1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Resident Physician/Clinician Patient's Relatives	Desk, 600x1200 Visitor's Chair, standard Clerical Chair, standard	1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Nurse Station.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	1 3 1 1	grounding type, universal slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **FAMILY COUNSELING ROOM**	Reference Sheet Number: **OR-RDS-19B**

TECHNICAL DESIGN DATA:

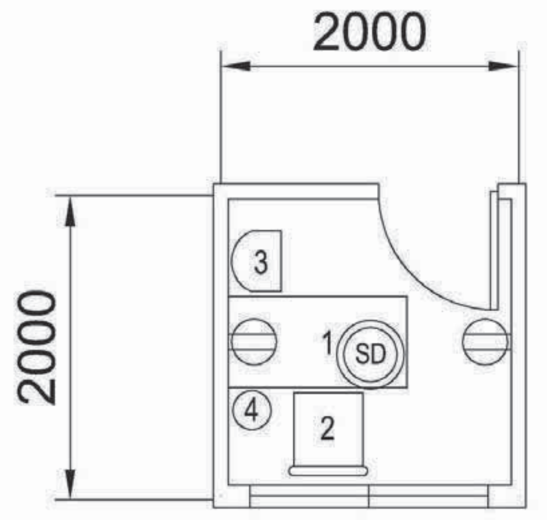
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg.C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99%@ 1 micron	Privacy	ESSENTIAL desirable: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	resident physician, patient's relatives
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **FAMILY COUNSELING ROOM**	Reference Sheet Number: **OR-RDS-19C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM : heavy
Wheel traffic	LIGHT: medium : heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL:desirable unnecessary
Door set	wheelchair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key :
1. Desk, 600x1200
2. Clerical Chair, standard
3. Visitor's Chair, standard
4. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **VISITORS' DRESSING ROOM**	Reference Sheet Number: **OR-RDS-20A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Visitors/Patient's family and relatives to wear a gown and mask . b. Visitors/Patient's family and relatives use alcohol hand sanitizer. c. Storing of clothings and personal effects.	Gown Gloves N-95 mask		
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Visitors Patient's family/relatives	Shelves, 400mm deep Closet, 600mm deep Hamper, medical		w/ rod for hanging gowns and clothes
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Should have direct access from the corridor.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	1 3 1 1	 grounding type, universal for emergency light

Hospital: **100-Bed (Level 2)**	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **VISITORS' DRESSING ROOM**	Reference Sheet Number: **OR-RDS-20B**

TECHNICAL DESIGN DATA:

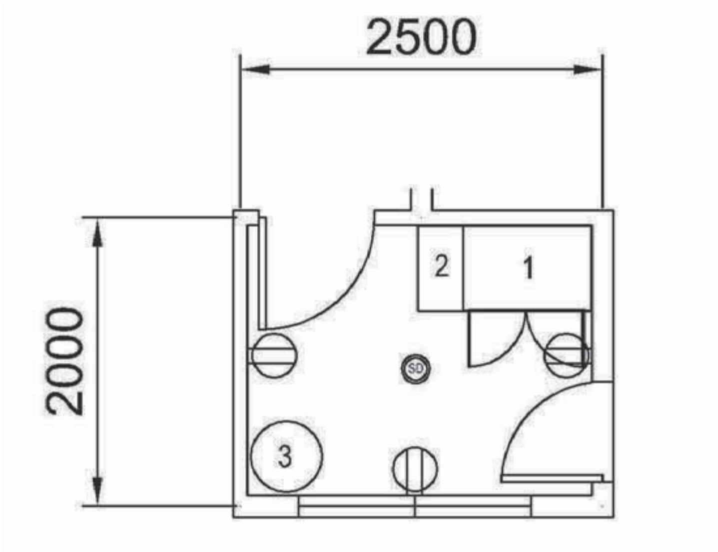
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	N/A	Colour rendering	essential:desirable: UNNECESSARY
Velocity (m./min.)	N/A	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	ICU staff, patient's visitors/relatives
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **VISITORS' DRESSING ROOM**	Reference Sheet Number: **OR-RDS-20C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL:desirable unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key :
1. Closet, 600mm deep
2. Shelves, 400mm deep
3. Clothes Hamper, medical

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **STAFF LOCKERS/TOILET & BATH**	Reference Sheet Number: **OR-RDS-21A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Resident Physician and nurses to change clothes in staff lockers room.
b. Storing of clothing and personal effects.
c. Wearing of gowns, masks and gloves.
d. Resident Physician and nurses wash hands or use alcohol hand sanitizer.
e. Resident Physician and nurses use toilet and bath.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste Bin	1	mobile
Hamper	1	medical
Water Heater	1	

People Involved:

Resident Physicians
Nurses
Nursing Attendants

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Locker, 500 x 600	6	
Lavatory	1	
Water Closet w/ spray hose	1	
Shower Set	1	
Faucet	1	
Floor Strainer	1	

Planning Relationships:

a. Should have direct access from the corridor.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, 10A, 2P, 240V, duplex	3	grounding type, universal slots
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **STAFF LOCKERS**	Reference Sheet Number: **OR-RDS-21B**

TECHNICAL DESIGN DATA:

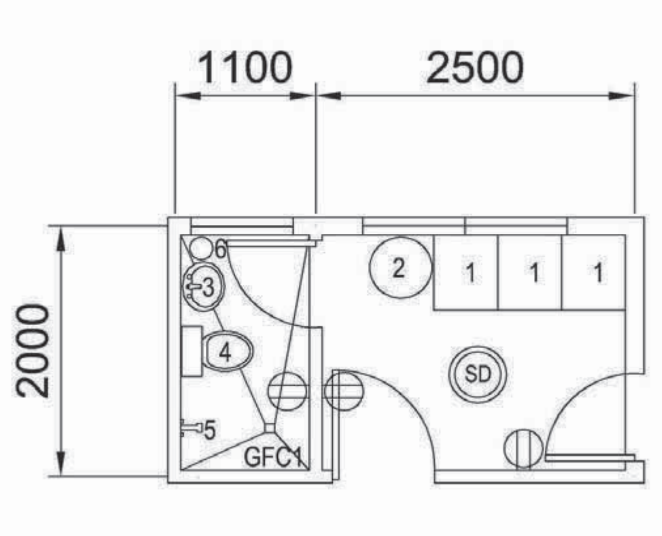
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	N/A	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	N/A	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **STAFF LOCKERS/TOILET & BATH**	Reference Sheet Number: **OR-RDS-21C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at shower
Cold water	required at plumbing fixtures
Drainage	required at plumbing fixtures and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium : heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL:desirable unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key :
1. Lockers, standard
2. Hamper, medical
3. Lavatory
4. Water Closet w/ spray hose
5. Shower Set
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **SOILED UTILITY/LINEN**	Reference Sheet Number: **OR-RDS-22A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Holding area for soiled materials, including linen, trash and hazardous waste. b. Storage and cleaning of tools and equipment . c. Temporary storage of patients' uncollected meal trays. d. Temporary holding area for disposable soiled and used items.	Waste Bin w/ black lining Hamper	1 1	mobile medical
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Nurses Nursing Attendants Janitor/Utility staff	Sink-in-counter, cabinets below Wall-hung Cabinets Medical Hamper Concealed Floor Drain w/ waterless trap	1 2 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Nurse Station.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	1 2 1 1	 grounding type, universal slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **SOILED UTILITY/LINEN**	Reference Sheet Number: **OR-RDS-22B**

TECHNICAL DESIGN DATA:

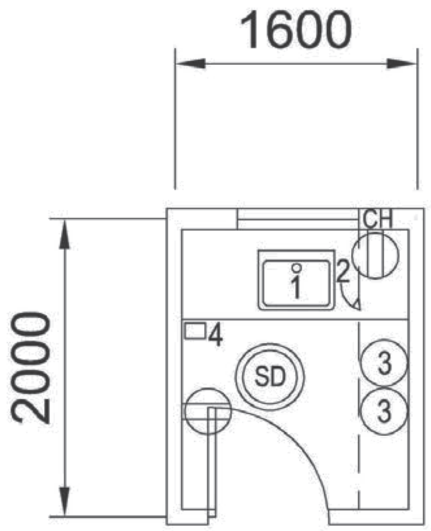
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	essential:desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **INTENSIVE CARE UNIT**	Room Title: **SOILED UTILITY/LINEN**	Reference Sheet Number: **OR-RDS-22C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium : heavy
Wheel traffic	N/A
Impacts	slight: OCCASIONAL: frequent
Abrasion	slight: OCCASIONAL: frequent
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL:desirable unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key :
1. Sink-in-counter, cabinets below
2. Wall-hung Cabinets
3. Medical Hamper
4. Concealed Floor Drain

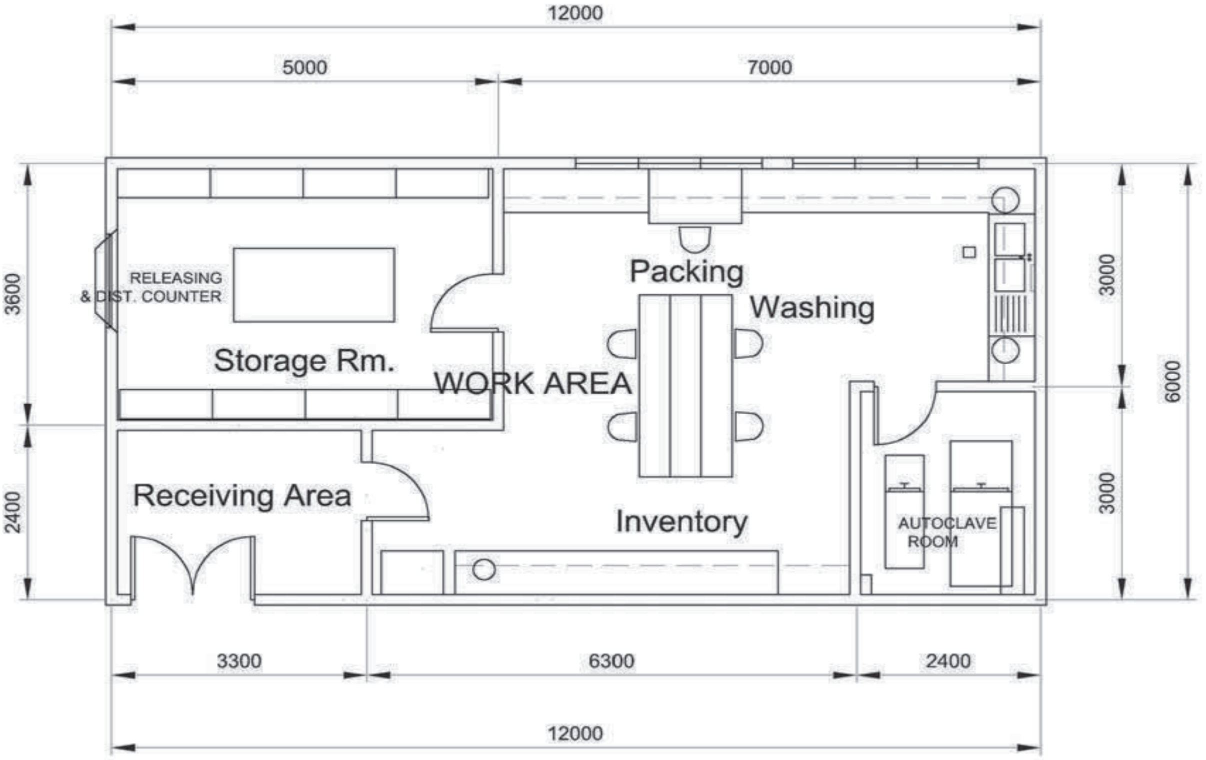
SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING AND SUPPLY ROOM**	Reference Sheet Number: **OR-DDS-01C**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING & SUPPLY UNIT**	Room Title: **RECEIVING AREA**	Reference Sheet Number: **OR-RDS-23A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	REMARKS
a. Receiving of instruments for washing and sterilizing from the different departments of the hospital.		

People Involved:

1 x Central Supply Service Worker

FURNITURE AND FIXTURE CHECKLIST	REMARKS
Counter, 740mm high, cabinets below Sink-in-counter, w/ drainboard Chair, upright, stacking Wall-hung cabinets Concealed Floor Drain w/ waterless trap	

Planning Relationships:	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	REMARKS
a. Adjacent to Operating Room Suite.	Outlet, 10A, 2P, 240V, duplex	grounding type, universal
b. Adjacent to Delivery Room Suite.	Outlet, 10A, 2P, 240V, single	for emergency light
c. Accessible from the different departments of the hospital.	Smoke Detector	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING & SUPPLY UNIT**	Room Title: **RECEIVING AREA**	Reference Sheet Number: **OR-RDS-23B**

TECHNICAL DESIGN DATA:

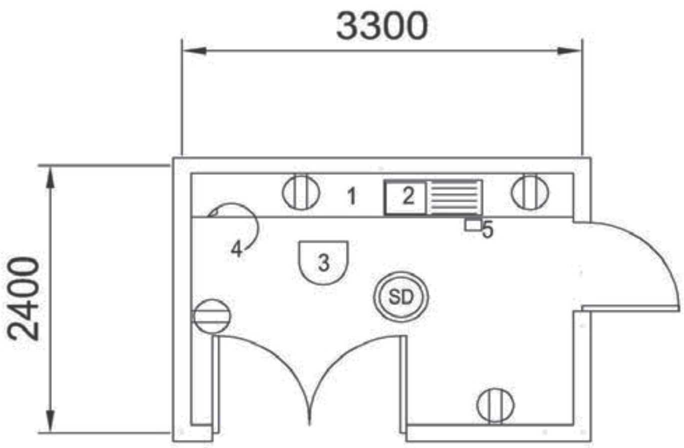
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	500-1000
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential:desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	N/A	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	CSSU staff
		Fire risk	low: medium: HIGH
		Other risks	exposure to hazardous chemicals

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING AND SUPPLY UNIT**	Room Title: **RECEIVING AREA**	Reference Sheet Number: **OR-RDS-23C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: B, G, E
Hot water	required at sink
Cold water	required at sink
Drainage	provide at sink and floor drain
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	slight: occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Counter, 740mm high, cabinets below
2. Sink-in-counter w/ drainboard
3. Chair, upright, stacking
4. Wall-hung Cabinets
5. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING & SUPPLY UNIT**	Room Title: **WORK AREA**	Reference Sheet Number: **OR-RDS-24A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	**EQUIPMENT AND ACCESSORY CHECKLIST**	**QUANTITY**	**REMARKS**
a. Disassembling and arranging of instruments. b. Washing of instruments in a washer-sterilizer. c. Sterilizing of instruments. d. Preparation of instruments for future use. **People Involved:** 1 x Central Supply Service Worker 1 x Nurse 1 x Nursing Attendant	Multi rubber tube washer Dressing sterilizer, (600x600x900) Dressing Sterilizer, (500x500x900) Hot Air sterilizer, (450x450x350) Sink w/ drainboard Supply cart Waste Bin w/ black lining Water still Glove drying rack Bulletin board Step ladder Instrument sterilizer Heavy duty autoclave Step ladder Puncture-proof container	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
	Counter, 900mm high, open below Wall-hung cabinet Table w/ shelf overhead Counter, 900mm high, cabinets and drawers below Sterile supply cabinets Chair, upright, stacking Desk Sink, double compartment w/ drainboard Concealed Floor Drain w/ waterless trap	1 6 5 1 1	built-in
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Operating Room Suite. a. Adjacent to Sub-Sterilizing room. b. Adjacent to Delivery Room Suite.	Smoke Detector Window curtain rail Outlet, DATA Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Circuit breaker for autoclave Outlet, telephone	1 2 8 2 7 2 1	light proof for special eye or dark room surgery for emergency light grounding type, universal rating depends on equipment size

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING & SUPPLY UNIT**	Room Title: **WORK AREA**	Reference Sheet Number: **OR-RDS-24B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	500-1000
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential:desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	CSSU staff
		Fire risk	low: medium: HIGH
		Other risks	exposure to hazardous chemicals

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health** **HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING AND SUPPLY UNIT**	Room Title: **WORK AREA**	Reference Sheet Number: **OR-RDS-24C**

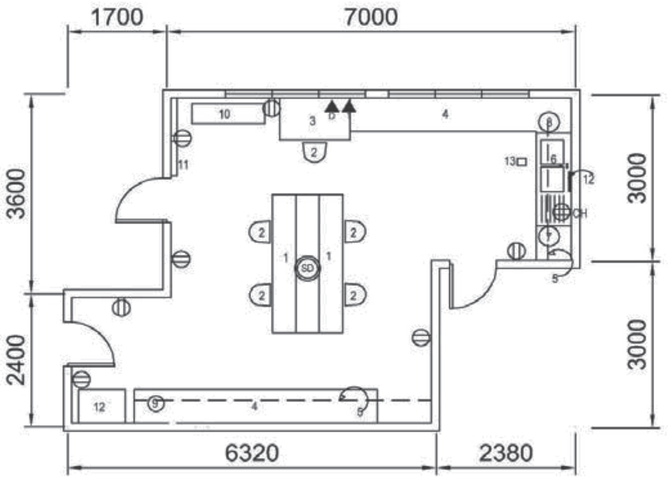
TECHNICAL DESIGN DATA:

DIRECT SERVICES	**DESIGN DATA**
Disposal	hospital solid waste type: B, G, E
Hot water	required at sink
Cold water	required at sink
Drainage	provide floor drain
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	light: MEDIUM: heavy
Spillage	slight: occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Table w/ shelf over, 1100x2500
2. Chair, upright, stacking
3. Built-in Desk
4. Counter, 900mm high, cabinets & drawers below
5. Wall-hung Cabinets
6. Double compartment sink, one drainboard
7. Water Still
8. Waste Bin
9. Puncture-proof Container
10. Gloves drying rack
11. Bulletin board
12. Hot Air Sterilizer
13. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING & SUPPLY UNIT**	Room Title: **AUTOCLAVE ROOM**	Reference Sheet Number: **OR-RDS-25A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Sterilization of instruments/glasswares.	Instrument Sterilizer Heavy-Duty Autoclave	1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Central Supply Service Worker	Concealed Floor Drain w/ waterless trap Overhead Exhaust	1 2	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Central Sterilizing and Supply Unit. b. Adjacent to the work area of the CSSR.	Outlet, 10A, 2P, 240V, duplex Automatic Sprinkler System Outlet, 10A, 2P, 240V, single 415 volts, 3 phase or 240 volts, single phase amps. Smoke Detector	4 1 1	grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING & SUPPLY UNIT**	Room Title: **AUTOCLAVE ROOM**	Reference Sheet Number: **OR-RDS-25B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	ESSENTIAL: desirable: unnecessary
Positive Pressure (Pa)	N/A	View out	ESSENTIAL: desirable: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: unnecessary
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	cssr staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING & SUPPLY UNIT**	Room Title: **AUTOCLAVE ROOM**	Reference Sheet Number: **OR-RDS-25C**

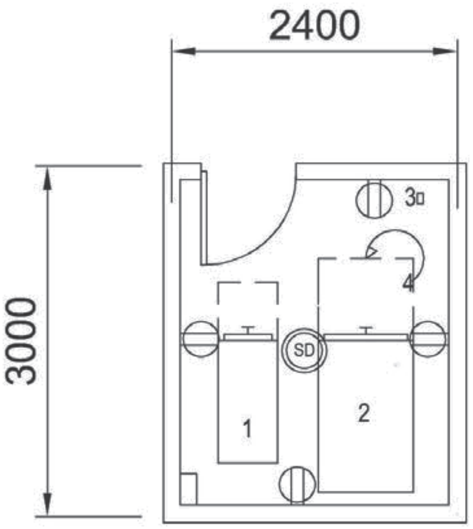
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	YES
Cold water	YES
Drainage	YES
Gas	N/A
Compressed air	N/A
Steam	YES
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	light: MEDIUM: heavy
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door, with vision panel
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Instrument Sterilizer
2. Heavy-duty Autoclave
3. Floor Drain
4. Overhead Exhaust

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING & SUPPLY UNIT**	Room Title: **STORAGE ROOM**	Reference Sheet Number: **OR-RDS-26A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of sterilized/washed instruments. b. Issuance of instruments as requested by other hospital services. c. Dispensing of supplies in clinical areas. d. Inventory of instruments and supplies.	Glass Partition w/ Transaction Windows Step Ladder	1 1	
People Involved:			
1 x Central Supply Service Worker	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
	Table, 1000x2000 Sterile Supply Cabinet, 400x1200 Distribution Counter, 400x1200x900, open below	1 8 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Operating Room Suite. b. Adjacent to Delivery Room Suite. c. Accessible from the different departments of the hospital.	Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	4 1 1	grounding type, universal for emergency light

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health** **HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING & SUPPLY UNIT**	Room Title: **STORAGE ROOM**	Reference Sheet Number: **OR-RDS-26B**

TECHNICAL DESIGN DATA:

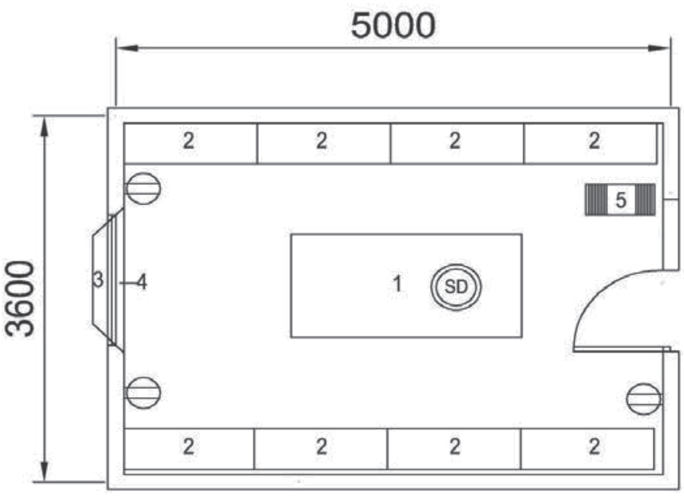
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	CSSU staff
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL STERILIZING AND SUPPLY UNIT**	Room Title: **STORAGE ROOM**	Reference Sheet Number: **OR-RDS-26C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Table, 1000x2000
2. Sterile Supply Cabinet, 400x1200
3. Distribution Counter, 900mm high, open below
4. Glass Partition w/ Transaction Window
5. Step Ladder

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

VOLUME 3

STANDARD PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

3.7 DELIVERY ROOM & NURSERY SERVICE FACILITIES

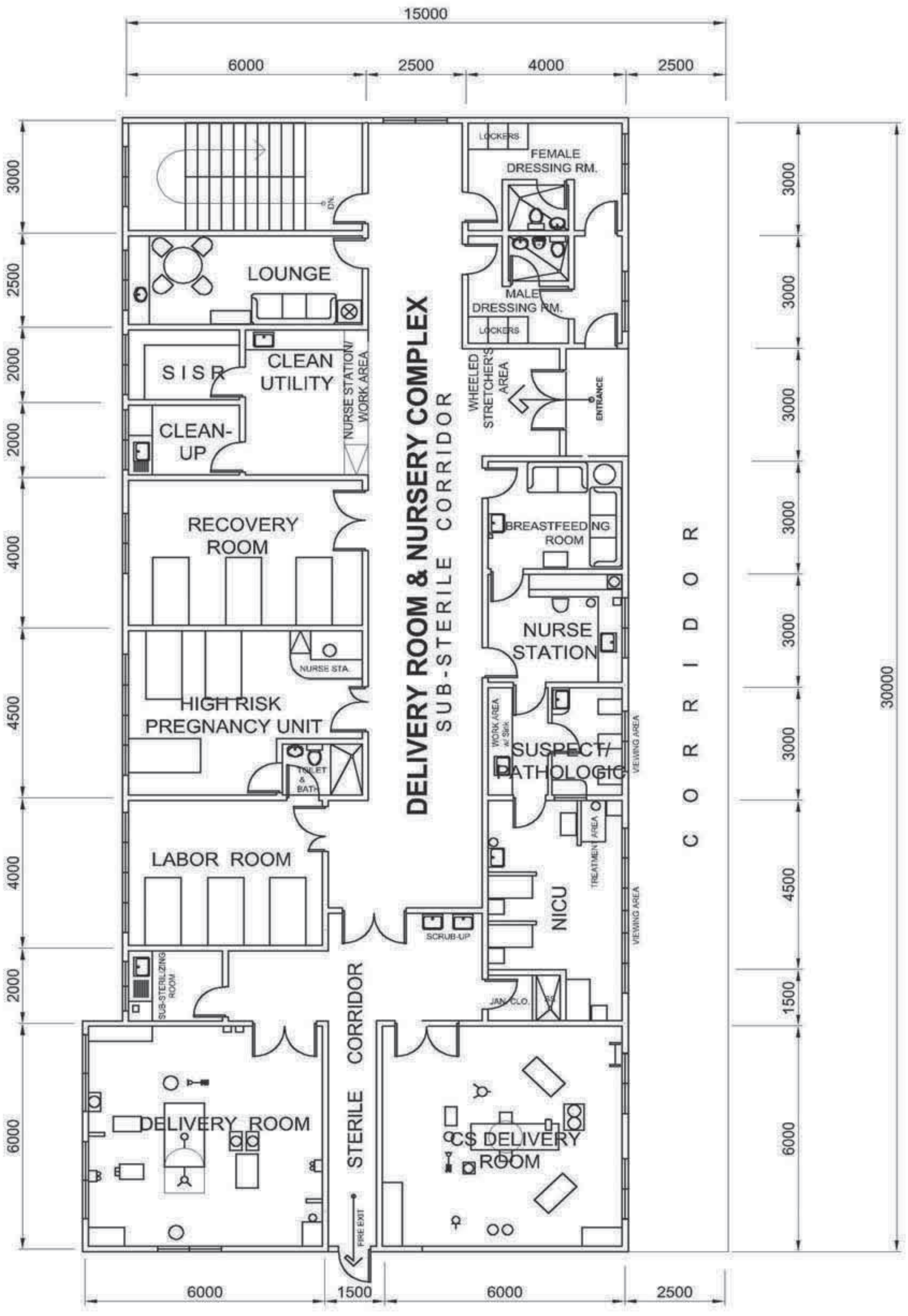
Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Hospital: 100-Bed (Level 2)	SERVICE FACILITY SHEET INDEX	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	DELIVERY ROOM & NURSERY COMPLEX	Reference Sheet Number: **DR-SFSI-07**

ROOM TITLE	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
DELIVERY ROOM AND NURSERY COMPLEX		**296.85**		
WHEELED STRETCHER'S AREA	9		DR-RDS-01	483
NURSE SUPERVISOR'S AREA	24		DR-RDS-02	486
CLEAN-UP ROOM	6		DR-RDS-03	489
STERILE INSTRUMENT AND SUPPLY STORAGE	6		DR-RDS-04	492
LOUNGE	15		DR-RDS-05	495
M/F DOCTORS' LOCKERS AND TOILETS & BATHS	24		DR-RDS-06	498
BREASTFEEDING ROOM	10.5		DR-RDS-07	501
NICU NURSE STATION	10.5		DR-RDS-08	504
SUSPECT/PATHOLOGIC NURSERY & WORKROOM	10.5		DR-RDS-09	507
NEONATAL INTENSIVE CARE UNIT (NICU)	21		DR-RDS-10	510
LABOR ROOM	23.3		DR-RDS-11	513
HIGH-RISK PREGNANCY UNIT	27		DR-RDS-12	516
SCRUB-UP	5		DR-RDS-13	519
SUB-STERILIZING ROOM	5		DR-RDS-14	522
CAESARIAN DELIVERY ROOM	36		DR-RDS-15	525
DELIVERY ROOM	36		DR-RDS-16	528
RECOVERY ROOM	24		DR-RDS-17	531
JANITOR'S CLOSET	4.05		DR-RDS-18	534

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Reference Sheet Number: **DR-DDS-01**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **WHEELED STRETCHER'S AREA**	Reference Sheet Number: **DR-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Patient scheduled for delivery is transferred from ward stretcher to delivery suite stretcher.	Ward Stretcher Delivery Suite Stretcher	1 1	ward use delivery suite use
People Involved: 2 x Nursing Attendant 1 x Patient	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Planning Relationships: a. Located at the entrance of the D.R. Suite.	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
	Outlet, 10A,2P,240V,duplex Smoke Detector Outlet, 10A, 2P, 240V, single	1 1 1	grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **WHEELED STRETCHER'S AREA**	Reference Sheet Number: **DR-RDS-01B**

TECHNICAL DESIGN DATA:

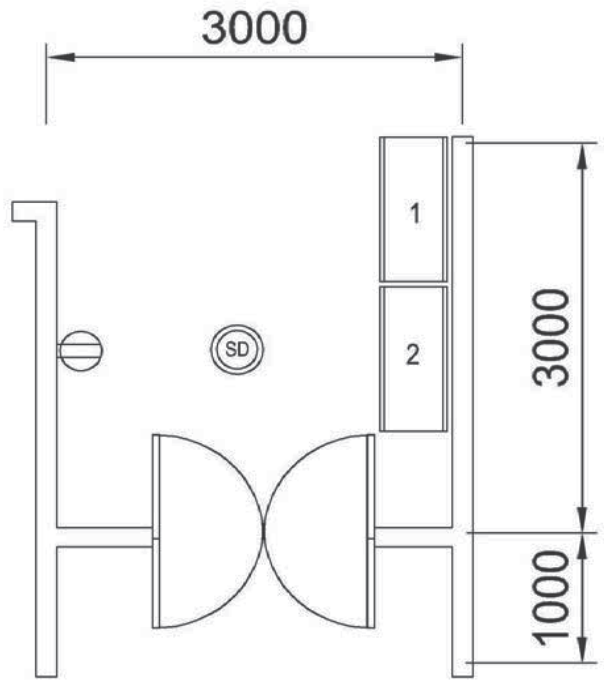
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	N/A	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	N/A	Standby light	essential: desirable: UNNECESSARY
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential:desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff and patient
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **WHEELED STRETCHER'S AREA**	Reference Sheet Number: **DR-RDS-01C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	N/A
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Delivery Suite Stretcher
2. Ward stretcher

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **NURSE SUPERVISOR'S AREA**	Reference Sheet Number: **DR-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Nurse Supervisor reads and writes in his work station. b. Nurse Supervisor records, stores and retrieves data from data file.	Glass Box Clock Waste Bin w/ black or colorless lining	1 1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Nurse Supervisor 1 x Nurse or Nursing Attendant	Chair, upright, stacking Counter, open below Computer table Cabinet, wall-hung Sink-in-counter, cabinets below Concealed Floor Drain w/ waterless trap	2 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Doctor's Locker Room. b. Adjacent to Operating Room.	Outlet, 10A,2P,240V, duplex Outlet, DATA Outlet, telephone Smoke Detector Outlet, 10A, 2P, 240V, single	4 1 1 1 1	grounding type parallel slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **NURSE SUPERVISOR'S AREA**	Reference Sheet Number: **DR-RDS-02B**

TECHNICAL DESIGN DATA:

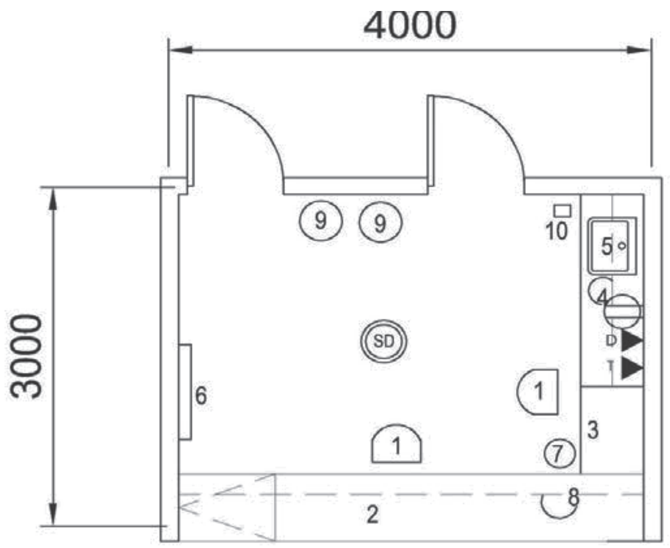
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	N/A
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential:desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.8		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **NURSE SUPERVISOR'S AREA**	Reference Sheet Number: **DR-RDS-02C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT:medium heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Chair, upright, stacking
2. Counter, open below
3. Computer Table
4. Cabinet, wall-hung
5. Sink-in-counter, 900mm high
6. Glass board
7. Waste Bin
8. Shelving, 450mm deep
9. Linen Hamper
10. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **CLEAN-UP ROOM**	Reference Sheet Number: **DR-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Nurse and Nursing Attendant perform post-delivery/operation clean-up activities.	Waste Bin w/ yellow lining	1	infectious
	Linen hamper	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Nurse 1 x Nursing Attendant	Double Compartment	1	
	Laundry Tray w/ Drainboard	1	
	Concealed Floor Drain w/ waterless trap	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Delivery Room.	Window curtain rail	1	
	Outlet, 10A, 2P, 240V, duplex	2	grounding type, universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, DATA	1	hands-free type, well mounted
	Outlet, telephone	1	
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **CLEAN-UP ROOM**	Reference Sheet Number: **DR-RDS-03B**

TECHNICAL DESIGN DATA:

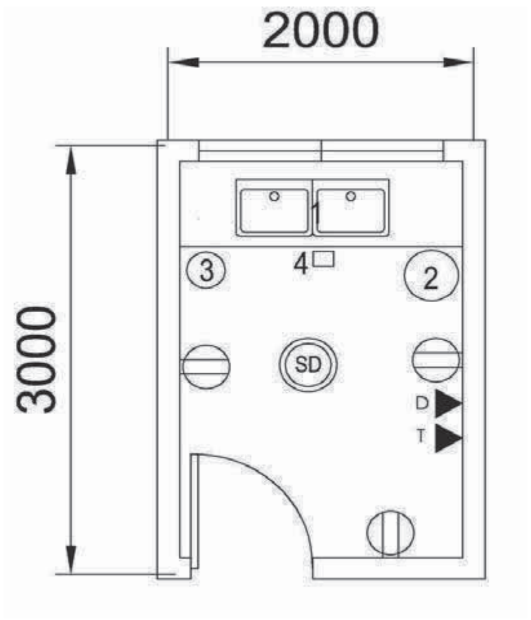
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	essential: desirable: UNNECESSARY
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential:DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **CLEAN-UP ROOM**	Reference Sheet Number: **DR-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	required at laundry tray
Drainage	provide at floor and laundry tray
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. Double compartment laundry tray w/ drainboards, cabinets below
2. Linen Hamper
3. Waste Bin
4. Concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **STERILE INSTRUMENT & SUPPLY STORAGE**	Reference Sheet Number: **DR-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Nurse checks the availability of supplies for issuance. b. Nursing Attendants prepare needed supplies and articles listed in requisition form. c. Nursing Attendants pack items individually, in bulk or wrap w/ clean paper before issuance. d. Nurse performs physical inventory and update stock cards. e. Nurse receives sterile supplies and instruments, puts entry into stock cards and stores supplies into shelves.	Waste Bin w/ black or colorless lining	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Nurse 1 x Nurse Attendant	Shelving, 450mm deep Instrument cabinet Sink w/ drainboard Concealed Floor Drain w/ waterless trap	 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Located at the Delivery Area. b. Adjacent to Nurse Supervisor's Area.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	1 3 1 1	 grounding type, parallel slot for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **STERILE INSTRUMENT & SUPPLY STORAGE**	Reference Sheet Number: **DR-RDS-04B**

TECHNICAL DESIGN DATA:

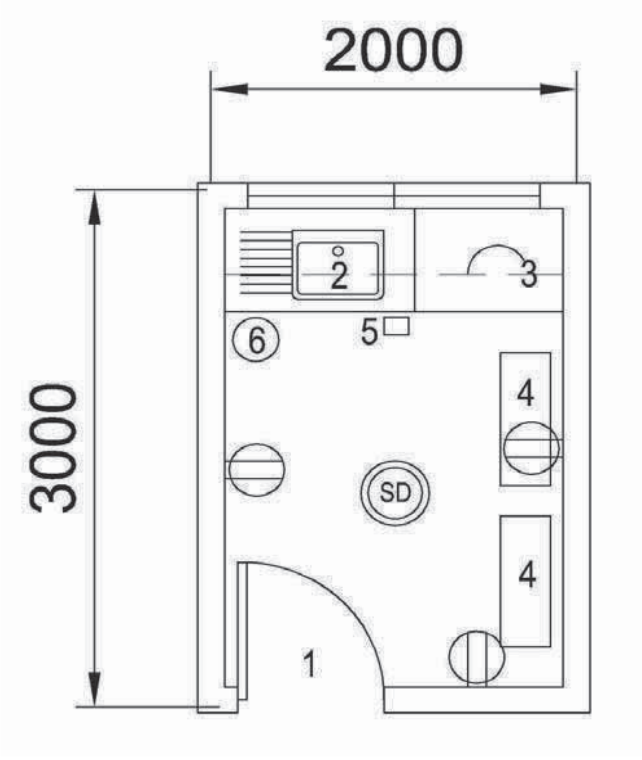
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	essential: desirable: UNNECESSARY
Pressure Differential:		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	N/A	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **STERILE INSTRUMENT & SUPPLY ROOM**	Reference Sheet Number: **DR-RDS-04C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	N/A
Foot traffic	LIGHT:medium heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door w/ vision panel
Windows	clear, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. Door w/ vision panel
2. Sink w/ drainboard
3. Fixed Shelving, 450mm deep
4. Instrument Cabinet
5. Concealed Floor Drain
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **LOUNGE**	Reference Sheet Number: **DR-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Resident Physician to take rest in between surgeries.	Airconditioning unit Waste Bin w/ black lining	1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Resident Physicians & DR Staff	3-Seater Sofa, w/o arms, 700x1800mm Corner Table, 600x600 Occasional Table, 0.90 dia. Dining Chair Divider, 400x1000 Sink Concealed Floor Drain w/ waterless trap	1 1 1 4 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Operating Room Suite. b. Close to access door of Operating Room Suite.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Outlet, DATA Outlet, telephone Smoke Detector	1 6 1 1 1 1	 grounding type, universal slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **LOUNGE**	Reference Sheet Number: **DR-RDS-05B**

TECHNICAL DESIGN DATA:

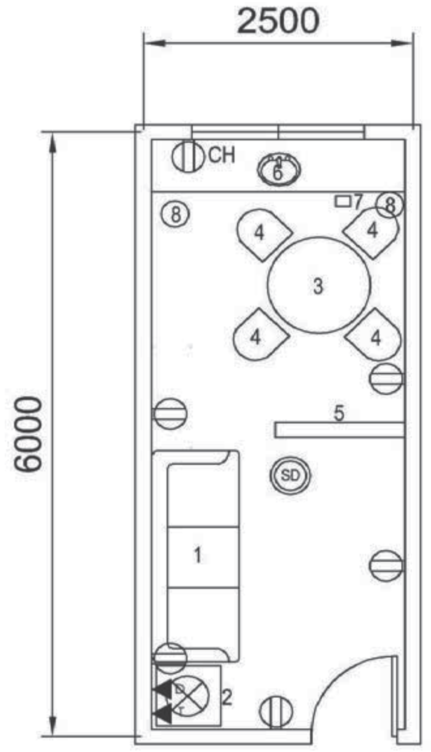
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	150
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	35	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health** **HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **LOUNGE**	Reference Sheet Number: **DR-RDS-05C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	required at sink
Drainage	as
Gas	N/A
Compressed Air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. 3-Seater Sofa w/ arms, 750x2000
2. Corner Table, 700x700
3. Occasional Table, 900mm
4. Dining Chair
5. Divider, 400x1000
6. Lavatory in Counter, cabinets below
7. Concealed Floor Drain
8. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **M/F LOCKERS/DRESSING ROOM W/ TOILETS & BATHS**	Reference Sheet Number: **DR-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Doctors and nurses to change clothes in toilet and bathroom.
b. Doctors and nurses to bathe in the bathroom.
c. Storing of clothing and personal effects.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste Bin w/ black or colorless lining	2	

People Involved:

Resident Physicians
Nurses
Nursing Attendants

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Locker, 500 x 600	6	
Sofa	1	
Lavatory	2	
Water Closet w/ spray hose	2	
Urinal	1	
Floor Drain	2	

Planning Relationships:

a. Close to Delivery Room Suite.
b. Close to access door of Delivery Room Suite.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, 10A, 2P, 240V, duplex	4	grounding type, universal slots
Outlet, 10A, 2P, 240V, single	2	for emergency light
Outlet, DATA	2	
Outlet, telephone	2	
Smoke Detector	2	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **M/F LOCKERS/DRESSING ROOM W/ TOILETS & BATHS**	Reference Sheet Number: **DR-RDS-06B**

TECHNICAL DESIGN DATA:

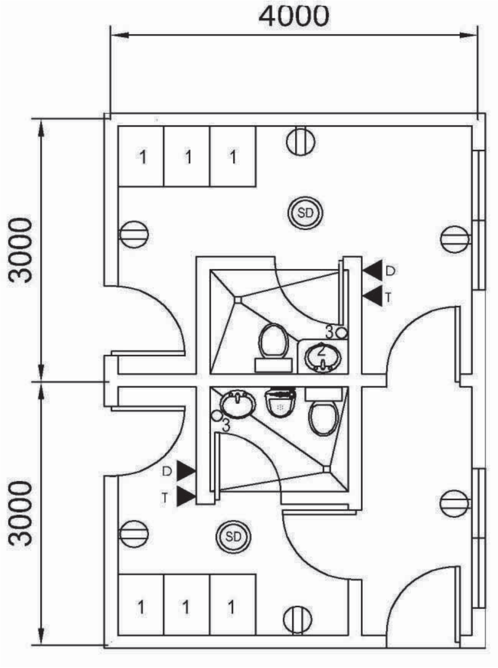
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at toilet and bath
		Maximum temperature (deg. C)	70
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **M/F DRESSING ROOM**	Reference Sheet Number: **DR-RDS-06C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at shower
Cold water	required at plumbing fixtures
Drainage	provide floor drain at toilet
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy conrol
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. Lockers, built-in, 500x600x1600
2. Lavatory in counter, cabinet below
3. Waste bin

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **BREASTFEEDING ROOM**	Reference Sheet Number: **DR-RDS-07A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Nurse brings in newborn infant to the waiting mother for breastfeeding.
b. Nurse assists mothers in breastfeeding their babies.

People Involved:

1 x Nurse
Newborn Infant
Mother

Planning Relationships:

a. Adjacent to Nurse Station and NICU.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Hand Drier	1	
Soap Dispenser	1	
Waste Bin w/ black lining	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
3-Seater Sofa w/o arms, 700x1800	1	
2-Seater Sofa w/o arms, 700x1200	1	
Corner Table	1	
Coffee Table	1	
Lavatory w/ gooseneck spout and foot control & elbow control	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, DATA	1	
Outlet, telephone	1	
Outlet, 10A, 2P, 240V, duplex	6	grounding type, universal slots
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke Detector	1	

Hospital: **100-Bed (Level 2)**	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **BREASTFEEDING ROOM**	Reference Sheet Number: **DR-RDS-07B**

TECHNICAL DESIGN DATA:

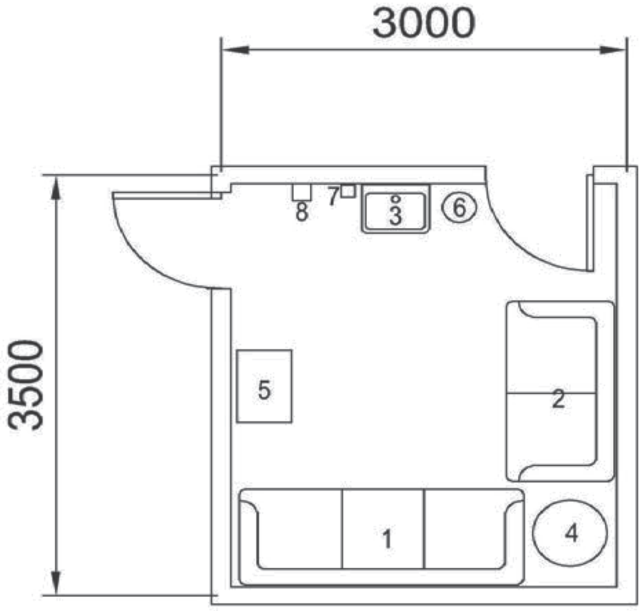
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.5		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	N/A
		Access limit	mother, newborn infant and nurse
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **BREASTFEEDING ROOM**	Reference Sheet Number: **DR-RDS-07C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at sink
Drainage	provide at floor and sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door w/ vision panel
Windows	clear, solar control, privacy control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS



Key :
1. 3-seater sofa w/o arms, 700x1800
2. 2-seater sofa w/o arms, 700x1200
3. Lavatory w/ gooseneck spout and knee control
4. Corner Table, 600x600
5. Coffee Table
6. Waste Bin
7. Soap Dispenser
8. Hand Drier

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **NURSE STATION (NICU)**	Reference Sheet Number: **DR-RDS-08A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Nurse administers nursing care clinical procedures to baby.
b. Nurse examines baby and records data gathered.
c. Nurse performs necessary monitoring activities to babies.
d. Nurse takes inventories of nursery supplies.

People Involved:

1 x Nurse
2 x Nursing Attendants

Planning Relationships:

a. Adjacent to Breastfeeding Room.
a. Adjacent to Sub-Sterilizing room.
b. Close to NICU.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Single Element Hot Plate	1	
Instrument Sterilizer	1	
Waste Bin w/ yellow lining	2	infectious pharmaceutical
Waste Bin w/ yellow lining	1	general waste
Puncture proof Container	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Table, 600x1500	1	
Chair, upright, stacking	1	
Wall-Hung Cabinets		
Counter, 900mm high, cabinets below		
Refrigerator, 6 cu.ft.	1	
Sink w/ gooseneck spout and foot control	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, telephone	1	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	4	grounding type, universal slots
Outlet, 10A, 2P, 240V, single	1	for emergency
Smoke detector	1	
Outlet, telephone	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **NURSE STATION**	Reference Sheet Number: **DR-RDS-08B**

TECHNICAL DESIGN DATA:

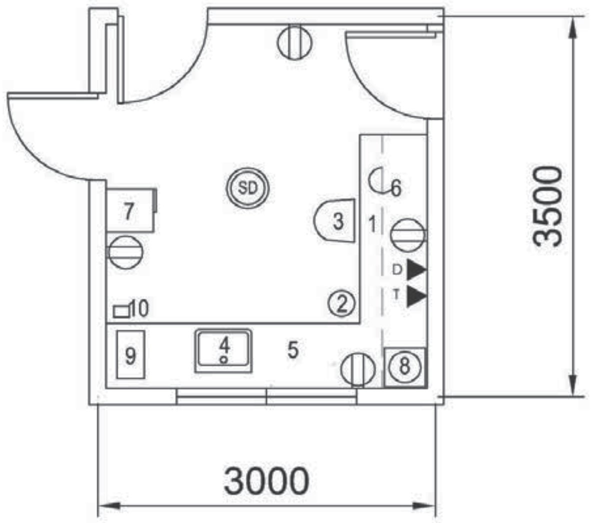
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential:desirable: UNNECESSARY
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.35		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	
		Maximum temperature (deg. C)	70
		Access limit	Nursing Staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **NICU NURSE STATION**	Reference Sheet Number: **DR-RDS-08C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, G, D
Hot water	N/A
Cold water	required at sink
Drainage	provide at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	NA
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	nil, open to circulation
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key :
1. Table, 600x1500
2. Waste Bin
3. Chair, upright, stacking
4. Sink-in-counter w/ gooseneck and foot control/elbow
5. Counter, 900mm high, w/ cabinets below
6. Wall-hung cabinets
7. Refrigerator, 6 cu.ft.
8. Single Element Hot Plate
9. Instrument Sterilizer
10. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **SUSPECT/PATHOLOGIC NURSERY & WORKROOM**	Reference Sheet Number: **DR-RDS-09A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. A new born premature baby is brought in from the Delivery Room. b. Nurse administers nursing care clinical procedures to baby. c. Nurse measures baby's height and head circumference. d. Nurse weighs baby. e. Nurse records data gathered. f. Nurse prepares baby, i.e. cleans and dresses baby. g. Nurse places baby in the bassinet.	Bassinet Incubator Instrument Sterilizer Single Element Hot Plate Linen Hamper Waste Bin w/ yellow lining	2 1 1 1 1 1	 infectious
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
3 x Newborn Infants 1 x Nurse 1 x Nursing Attendant	Bedside Cabinet Table, 400x600 Cubicle Partition Stool Counter, 900mm high, cabinets below Wall-hung cabinets Sink-in-counter w/ gooseneck spout and foot/elbow control	2 1 2 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Nurse Station and Work Room. b. Close to Delivery Room and Caesarian Delivery Room. c. Close to Labor Room.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Outlet, DATA Outlet, telephone Smoke Detector	1 8 1 1 1 1	 grounding type, universal slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **SUSPECT/PATHOLOGIC NURSERY & WORKROOM**	Reference Sheet Number: **DR-RDS-09B**

TECHNICAL DESIGN DATA:

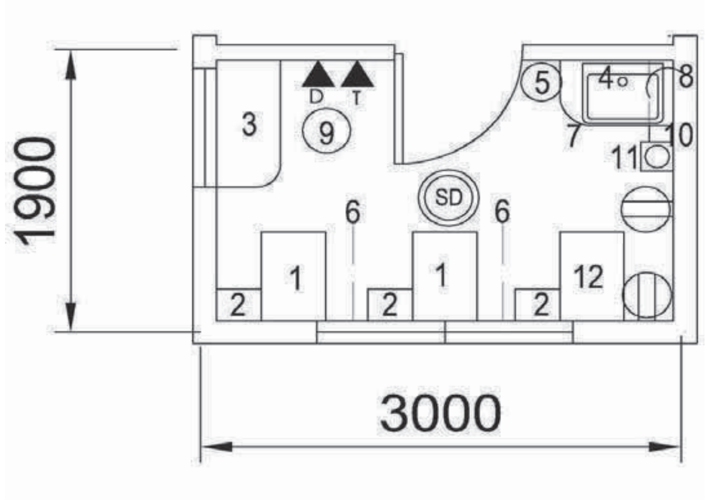
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.5		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	instrument sterilizer
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink and lavatory
		Maximum temperature (deg. C)	70
		Access limit	newborn baby & nursing staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **SUSPECT/PATHOLOGIC NURSERY & WORKROOM**	Reference Sheet Number: **DR-RDS-09C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	required at sink
Drainage	provide at sink
Medical Oxygen	40 lpm/bed @ 4.0 Bar
Medical Vacuum	40lpm/bed @ 4.0 Bar
Compressed air	30 lpm/bed @ 4.0 Bar
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door, with vision panel
Windows	clear, solar control, privacy
	control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Bassinet
2. Bedside Cabinet
3. Table, 400x600, for infant scale
4. Sink-in-counter w/ gooseneck spout & foot control
5. Waste Bin
6. Cubicle Partition, 1700 high, clear glass in upper panel
7. Counter, 900mm high w/ cabinets below
8. Wall-hung cabinets
9. Stool
10. Instrument Sterilizer
11. Single Element Hot Plate
12. Incubator

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **N I C U**	Reference Sheet Number: **DR-RDS-10A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. A newborn baby is brought in from the Delivery Room or the Caesarian Delivery Room. b. A newborn baby elsewhere is brought in for admission. c. Nurse administers nursing care clinical procedures to baby. d. Nurse examines baby and records data gathered. e. Nurse weighs baby. f. Nurse prepares baby, i.e., cleans and dresses baby. g. Nurse places baby in the bassinet.	Bassinet Waste Bin w/ yellow lining Linen hamper Single element hot plate Instrument sterilizer	5 1 1 1 1	 infectious
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
2 x Newborn Infants 1 x Resident Physician 1 x Nurse 1 x Nursing Attendant	Bedside cabinet Table, 400x600 Counter, 900mm high, cabinets below Wall-Hung Cabinets Counter, 900mm high, open below Stool Sink-in-counter w/ gooseneck spout and foot/elbow control	5 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Breastfeeding and Work Room. a. Adjacent to Sub-Sterilizing room. b. Close to Delivery/Caesarian Delivery Rooms. c. Close to Labor Room.	Outlet, 10A, 2P, 240V, duplex Window curtain rail Outlet, DATA Outlet, 10A, 2P, 240V, single Outlet, telephone Smoke Detector	13 2 1 1 1 1	grounding type, universal slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **N I C U**	Reference Sheet Number: **DR-RDS-10B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	25
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu. m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	instrument sterilizer
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink and lavatory
		Maximum temperature (deg. C)	70
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **NICU**	Reference Sheet Number: **DR-RDS-10C**

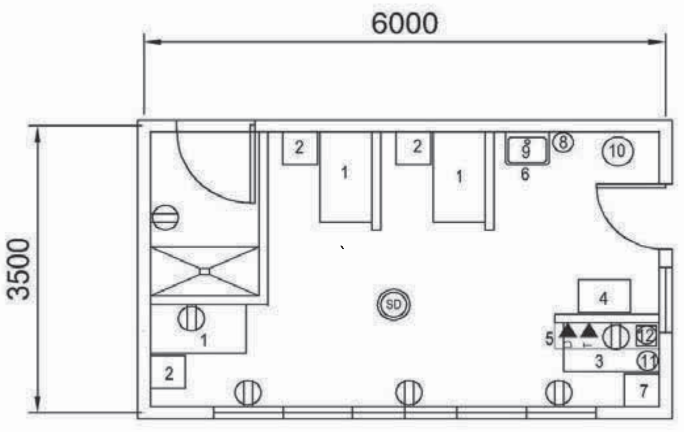
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A,B
Hot water	N/A
Cold water	required at sink
Drainage	provide at sink
Medical Oxygen	30 lpm/bed @ 4.0 Bar
Compressed Air	40 lpm/bed @ 4.0 Bar
Medical Vacuum	30 lpm/bed@ 450mm Hg.
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	bed,stretcher trolley, wheelchair
Windows	clear, solar contol, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Bassinet
2. Bedside cabinet
3. Table, 400x600
4. Counter, 900mm high, cabinets below
5. Wall Cabinet
6. Counter, 900mm high, open below
7. Stool
8. Waste Bin
9. Sink in counter w/ gooseneck spout and foot or elbow control
10. Linen Hamper
11. Single element hot plate
12. Instrument Sterilizer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **LABOR ROOM**	Reference Sheet Number: **DR-RDS-11A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Patient arrives on foot. b. Patient may arrive in a wheelchair or on a stretcher trolley. c. Transfer patient from wheelchair or stretcher trolley to obstetrical bed. d. Clinical handwashing. e. Patient undergoes labor prior to delivery. f. Use of toilet facilities.	Examining light Clock Bed light Waste Bin w/ black lining	4 1 4 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
2 x Resident Physicians 1 x Nurse 1 x Nursing Attendant 1 x Maternity Patient	Labor bed Bedside cabinet Instrument table Footstool Chair, upright, stacking Desk, 750x1200 Shelving Water Closet w/ spray hose Lavatory Floor Drain	4 4 4 4 5 1 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Delivery room. b. Adjacent to Caesarian Delivery Room. c. Close to Scrub-up and Sub-sterilizing room.	Window curtain rail Calling Station Ground terminal Cubicle curtain rail Outlet, 10A,2P,240V, duplex Outlet,10A,2P,240V, single Nurses calling station Outlet, DATA Smoke detector Outlet, telephone	2 4 4 4 10 1 4 1 1 1	 grounding type, universal slot for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **LABOR ROOM**	Reference Sheet Number: **DR-RDS-11B**

TECHNICAL DESIGN DATA:

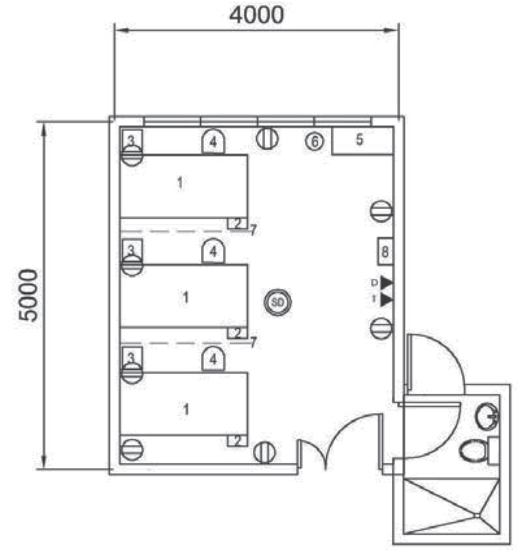
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	250 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential:DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.7		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff and patient
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **LABOR ROOM**	Reference Sheet Number: **DR-RDS-11C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at toilet
Drainage	provide floor drain at toilet
Medical Oxygen	40Lpm/bed @ 4.0 Bar
Medical Vacuum	40Lpm/bed @ 450mm Hg
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. Labor bed
2. Footstool
3. Bedside cabinet
4. Chair, upright, stacking
5. Instrument table
6. Waste bin
7. Curtain and rod
8. Clock

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **HIGH-RISK PREGNANCY UNIT**	Reference Sheet Number: **DR-RDS-12A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Nurse performs nursing care.
b. Monitoring of vital signs.
c. Use of monitoring and diagnostic equipment.

People Involved:

1 x Physician
Nurses
Midwives

Planning Relationships:

a. Close to Delivery Room.
a. Adjacent to Sub-Sterilizing room.
b. Close to Caesarian Delivery Room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Bed, mechanical	3	
Cardiac monitor w/ pulse oxymeter	1	
Cardiotomography machine		
O2 unit w/ gauge and humidifier	1	
O2 tank holder	1	
Suction apparatus		
Waste Bin w/ yellow lining	1	
Puncture-proof Container	1	
	1	infectious
	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Chair, upright, stacking	3	
Bedside Cabinet	3	
Footstool	3	
Water Closet w/ spray hose	1	
Lavatory	1	
Floor Drain	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, telephone	1	
Nurse Call System	1 set	
Window curtain rail	1	
Cubicle curtain rail	3	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	9	grounding type, slots
Outlet, 10A, 2P, 240V, single	3	for emergency light
Split type ACU, 3 ton	1	preferably ceiling mounted FCU
Smoke detector	1	
Bedlight	3	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **HIGH-RISK PREGNANCY UNIT**	Reference Sheet Number: **DR-RDS-12B**

TECHNICAL DESIGN DATA:

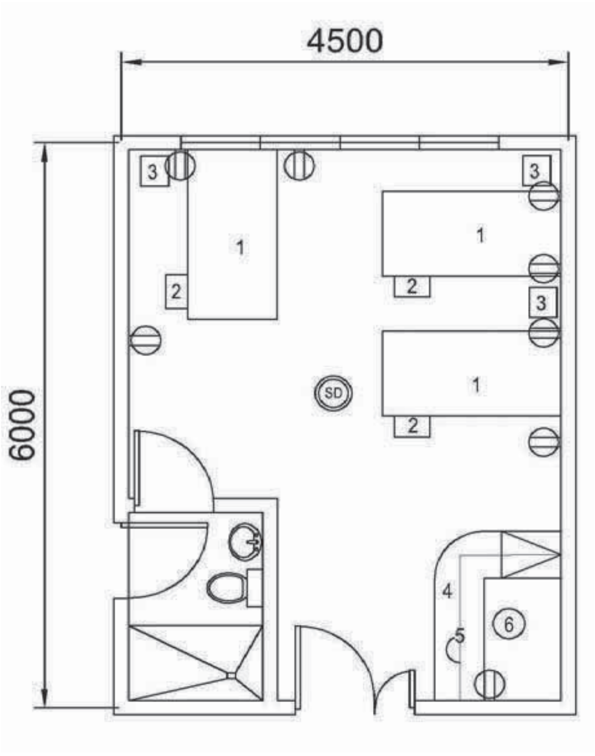
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ambient	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	35	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93%-99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	1.5		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	70
		Access limit	patient and medical staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **HIGH-RISK PREGNANCY UNIT**	Reference Sheet Number: **DR-RDS-12C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B
Hot water	N/A
Cold water	required at plumbing fixtures
Drainage	required at plumbing fixtures
Medical Oxygen	40 lpm @ 4.0 Bar
Compressed Air	30 lpm @ 4.0 Bar
Medical Vacuum	40 lpm @ 450mm Hg
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Bed
2. Footstool
3. Side Table
4. Nurse Station Counter, cabinets below
5. Wall-hung cabinets
6. Nurse Stool

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **SCRUB-UP**	Reference Sheet Number: **DR-RDS-13A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Physician and nurses rinse arms and hands with water and soap prior to and after surgical operation.	Clock Soap Dispenser Hand Drier Waste Bin w/ yellow lining	1 1 2 1	 infectious
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 1 x Physician 1 x Nurse or Nursing Attendant	Shelves ,300mm deep Scrub sink w/ gooseneck spout and knee control	 1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Adjacent to Caesarian Delivery Room.	Outlet, 10A,2P,240V Outlet, 10A, 2P, 240V Outlet, 10A, 2P, 240V Smoke Detector	1 1 1 1	grounding type, or universal slot (touch free) for hand dryer for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **SCRUB-UP**	Reference Sheet Number: **DR-RDS-13B**

TECHNICAL DESIGN DATA:

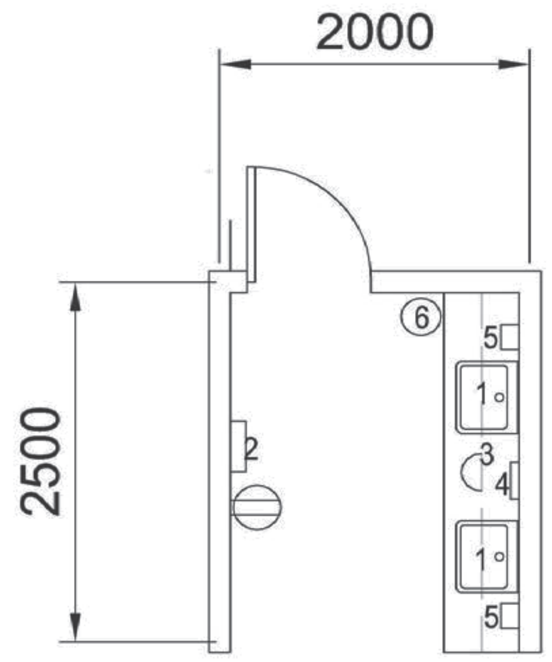
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./hr.)	25	Standby light	essential: desirable: UNNECESSARY
Pressure:		Emergency light	ESSENTIAL: desirable: unnecessary
Exhaust (psi)	N/A	Daylight	essential:desirable: UNNECESSARY
Inlet (psi)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	essential:desirable: UNNECESSARY
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.35		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential:desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at scrub sink
		Maximum temperature (deg. C)	70
		Access limit	medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **SCRUB-UP**	Reference Sheet Number: **DR-RDS-13C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	required at sink
Col water	required at sink
Drainage	provide at sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light:MEDIUM:heavy
Wheel traffic	light:MEDIUM:heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	operating table, stretcher trolley access
Windows	nil
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. Scrub sink w/ gooseneck spout & knee control
2. Clock
3. Shelves over scrub sink
4. Hand drier
5. Soap dispenser
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **SUB-STERILE**	Reference Sheet Number: **DR-RDS-14A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Preparation of packed surgical instruments. b. Storing and retrieving of instruments from cabinets. c. Minor sterilizing works. d. Handwashing and other clean-up activities.	Small instrument sterilizer	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Physician 1 x Nurse or Nursing Attendant	Sink and drainboard Counter, 900mm high, open below Concealed Floor Drain w/ waterless trap	1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Operating Room. b. Adjacent to Scrub-up Room.	Window curtain rail Outlet, 10A, 2P,240V, duplex Outlet, 10A, 2P,240V Smoke Detector	1 3 1 1	 grounding type universal slot for emefrgency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **SUB-STERILE**	Reference Sheet Number: **DR-RDS-14B**

TECHNICAL DESIGN DATA:

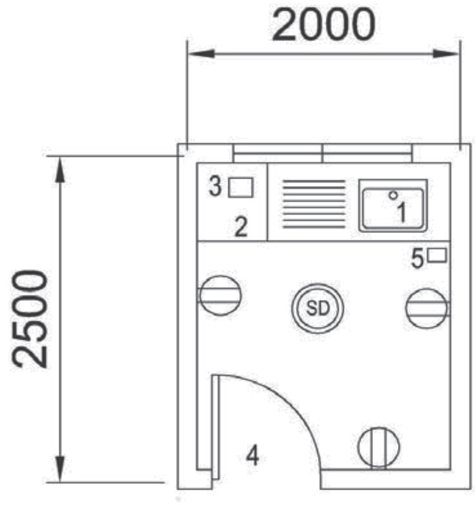
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93%-99% @ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	0.35		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg.C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg.C)	70
		Access limit	medical staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **SUB-STERILE**	Reference Sheet Number: **DR-RDS-14C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door w/ vision panel
Windows	clear, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key
1. Sink and drainboard
2. Counter, 900mm high, open below
3. Small instrument sterilizer
4. Door w/ vision panel
5. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **CAESARIAN DELIVERY ROOM (OPERATING ROOM)**	Reference Sheet Number: **DR-RDS-15A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient arrives on a stretcher trolley.
b. Patient is transferred from stretcher trolley to operating table.
c. Anesthesia is administered.
d. Clinical handwashing.
e. Use of diagnostic equipment.
f. Patient is surgically operated.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Double X-ray Film Illuminator	1	
Aspirator	1	
Anesthesia Unit	1	
Clock	1	
Operating Light	1	
UV Light	1	
Oxygen Unit	1	
Waste Bin w/ yellow lining	2	infectious pathological
Puncture-proof Container	1	

People Involved:

2 x Resident Physicians
1 x Nurse
1 x Nursing Attendant
1 x Patient
1 x Utility Worker

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Double basin stand	1	
Instrument table	2	
Mayo table	1	
Operating table	1	
Footstool	2	
Kick bucket	2	
Sponge rack	1	
Single basin stand	1	
Anesthetist's stool	1	
Anesthetist's table	1	
Adjustable stool	2	
Irrigator stand	1	
Pack table	1	
Adjustable open shelving	1	

Planning Relationships:

a. Adjacent to Sub-Sterilizing room.

b. Adjacent to Scrub-Up.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Shades, light-proof	1	light proof for special eye or dark room surgery
Outlet, telephone	1	
Outlet, 10A,2P,240V, duplex	8	grounding type, universal slots
Outlet, 10A,2P,240V, single	2	for emergency light
Isolation Monitor	1	1.6m above floor
Grounding terminal	4	duplex
Outlet, DATA	1	
Heat detector	1	hospital grade, locking type, mounted 1.6m above floor finish

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **CAESARIAN DELIVERY ROOM (OPERATING ROOM)**	Reference Sheet Number: **DR-RDS-15B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	750-1000
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	20,000 - 40,000
Volume (cu. m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	10	View out	essential:desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg.C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg.C)	N/A
		Access limit	medical staff and patient
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **CAESARIAN DELIVERY ROOM**	Reference Sheet Number: **DR-RDS-15C**

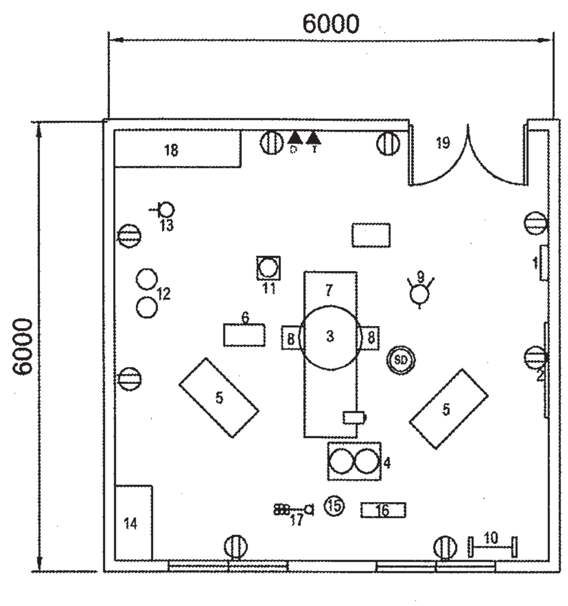
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C
Hot water	N/A
Cold water	N/A
Drainage	N/A
Medical Oxygen	40 lpm/bed @ 4.0 Bar
Medical Air	40 lpm/rm. @ 4.0 Bar
Medical Vacuum	80 lpm/rm. @450mm Hg.
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	light: MEDIUM: heavy
Spillage	N/A
Foot traffic	LIGHT:medium heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL:desirable unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door w/ vision panel
Windows	clear, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key :

1. Clock
2. Double X-Ray Film Illuminator
3. Obstetrical Light
4. Double Basin Stand
5. Instrument Table
6. Mayo Table
7. Delivery Table
8. Footstoolo
9. Kick Bucket
10. Sponge Rack
11. Single Basin Stand
12. Adjustable Stool
13. Irrigator Stand
14. Pack Table
15. Anesthetist's Stool
16. Anesthetist's Table
17. Anesthesia Unit
18. Adjustable, open shelving, 500mm deep
19. Door w/ vision panel

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **DELIVERY ROOM**	Reference Sheet Number: **DR-RDS-16A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Patient arrives on a stretcher.	Portable Emergency Light	1	
b. Patient is transferred from stretcher trolley to delivery table	Aspirator	1	
	Obstetrical Light	1	
c. Clinical handwashing.	Clock	1	
d. Administering of anesthesia.	Anesthesia Unit	1	
e. Normal delivery of a child by the patient.	Kick basin	3	
	D.R. Table	1	
	Anaesthesia machine	1	
	Bag valve mask unit	1	
	Clinical infant weighing scale	1	
	Bassinet		
	Thermometer, non-mercurial	1	
	D.R. instrument set	1	
	Laryngoscope		
	02 unit w/ tank holder	1	
	Suction apparatus	1	
	Stretcher	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
2 x Resident Physicians	Instrument table	1	
1 x Nurse	Mayo table	1	
1 x Nursing Attendant	Anesthetist's table	1	
1 x Maternity Patient	Anesthetist's stool	1	
	Adjustable stool	1	
	Single basin stand	1	
	Airconditioning unit	1	
	BP apparatus	1	
	Stethoscope	1	
	Waste Bin w/ yellow lining	2	infectious pathological
	Puncture-proof Container	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
	Window curtain rail	1	
	Calling Station	1	
a. Adjacent to Sub-Sterilizing room.	Outlet, 10A, 2P, 240V	6	grounding type, duplex
b. Adjacent to Scrub-Up.	Outlet, 15A, 2P, 240V	2	grounding type, tandem slots
	Isolation Monitor	1	1.6m above floor
	Grounding terminal	4	duplex
	Fixed emergency light	2	
	Heat detector	1	hospital grade, locking type, mounted 1.6m above floor finish or explosion proof mounted at standard height

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **DELIVERY ROOM**	Reference Sheet Number: **DR-RDS-16B**

TECHNICAL DESIGN DATA:

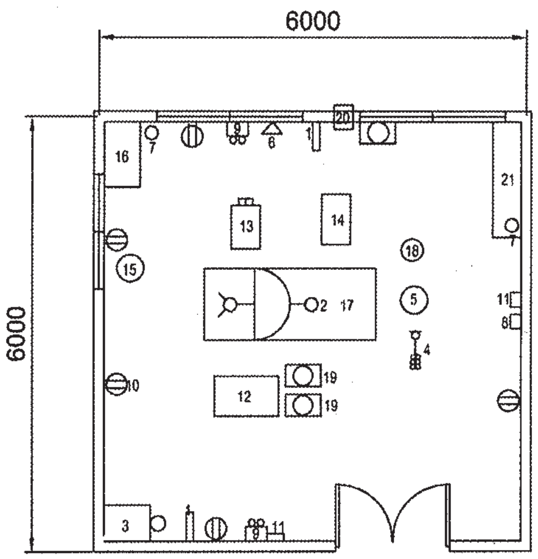
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	500-750
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	10,000 - 20,000
Volume (cu. m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential:desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential:desirable: UNNECESSARY
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential:desirable: UNNECESSARY
Cooling load (TR)	3		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	medical staff and patient
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **DELIVERY ROOM**	Reference Sheet Number: **DR-RDS-16C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A,B,C
Hot water	N/A
Cold water	N/A
Drainage	N/A
Medical Oxygen	40 lpm/rm. @ 4.0 Bar
Medical Vacuum	80 lpm/rm. @ 450mm Hg.
Compressed Air	40 lpm/rm. @ 4.0 Bar
Steam	N/A
Others	1 nurses' call to nurse station
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM:heavy
Wheel traffic	light: MEDIUM:heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door sets	operating table, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS:



Key

1. Aspirator
2. Obstetrical light
3. Portable emergency light
4. Anesthesia unit
5. Kick basin
6. Intercom
7. Ground terminal
8. Isolation monitor
9. Fixed emergency light
10. Hospital grade/explosion proof outlet
11. Clock
12. Instrument table
13. Mayo table
14. Anesthetist's table
15. Anesthetist's stool
16. Heated bassinet
17. Delivery table
18. Adjustable stool
19. Single basin stand
20. Airconditioning unit
21. Adjustable, open shelving

SPACE DEMANDS (Total Minimum Space Required in sq.m.) :

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **RECOVERY ROOM**	Reference Sheet Number: **DR-RDS-17A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Patient arrives in a stretcher trolley.
b. Patient is transferred from stretcher trolley to bed and vice versa.
c. Nurses monitor vital signs of patient at regular intervals.
d. Use of monitoring and diagnostic equipment.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Stretcher bed	2	
Oxygen outlet, mounted 1600mm	2	
Suction outlet, mounted 1600mm	2	
Suction apparatus	2	
Lavatory w/ gooseneck spout	1	
Waste Bin w/ yellow lining	1	infectious
Puncture-proof Container	1	
Standby BP apparatus	1	
Wall clock	1	
Emergency light	1	
Oxygen unit	1	

People Involved:

1 x Physician
Nurses

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Bedside cabinet, 400x500	2	
Desk, 750x1200	1	
Chair, upright, stacking	3	
Wall cabinet		
Shelf, 300mm deep		
Work counter, 700mm deep and 900mm high above and below		
Storage cabinet		

Planning Relationships:

a. Close to Delivery Room.
b. Adjacent to Sub-Sterilizing room.
c. Close to Caesarian Delivery Room.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, telephone	1	
Nurse Call System	1 set	
Window curtain rail	1	
Cubicle curtain rail	2	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	4	grounding type, universal slots
Outlet, 10A, 2P, 240V, single	1	for emergency light
Split type ACU, 3 ton	1	preferably ceiling mounted FCU
Smoke detector	1	
Bedlight	3	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **RECOVERY ROOM**	Reference Sheet Number: **DR-RDS-17B**

TECHNICAL DESIGN DATA:

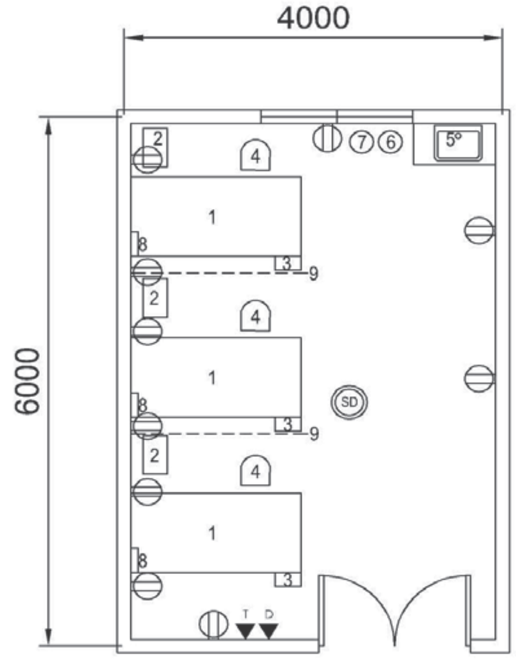
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	100
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu. m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	25	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential: DESIRABLE: unnecessary
Cooling load (TR)	2		
SOUND		**SAFETY**	
Acceptable sound level (db)	40	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	patient and medical staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **RECOVERY ROOM**	Reference Sheet Number: **DR-RDS-17C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A,B,E,F
Hot water	required at sink
Cold water	required at sink
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	obstetrical bed, stretcher trolley, wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Stetcher bed
2. Bedside cabinets, 400x500
3. Footstool
4. Chair, upright, stacking
5. Sink, 250mm deep w/ gooseneck spout and knee control
6. Waste paper bin
7. Sanitary waste bin
8. Nurse call dome light
9. Cubicle curtain and rod

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **JANITOR'S CLOSET**	Reference Sheet Number: **DR-RDS-18A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of janitor's cleaning tools.			
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
	Slop Sink	1	
1 x Janitor	Open shelving		
	Floor Drain	1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships:			
	Smoke Detector	1	
a. Close to Operating Room.	Outlet, 10A, 2P, 240V, duplex	1	grounding type universal slot

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **JANITOR'S CLOSET**	Reference Sheet Number: **DR-RDS-18B**

TECHNICAL DESIGN DATA:

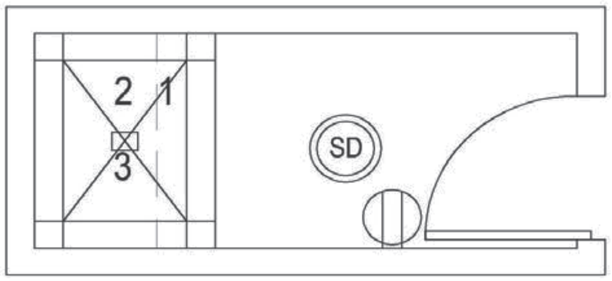
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg.C)	ave. local station temp. reading	General Illumination (LUX)	250
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. m./hr.-person)	N/A	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	NN	Standby light	essential: desirable: UNNECESSARY
Pressure Differential:		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	janitorial/utility staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **DELIVERY ROOM AND NURSERY COMPLEX**	Room Title: **JANITOR'S CLOSET**	Reference Sheet Number: **DR-RDS-18C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A
Hot water	N/A
Cold water	provide at slop sink
Drainage	provide floor drain
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Open Shelving
2. Slop Sink
3. Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

VOLUME 3

STANDARD PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

3.8 NUTRITION AND DIETETICS SERVICE FACILITIES

Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Hospital: 100-Bed (Level 2)	SERVICE FACILITY SHEET INDEX	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Service Facility Title: **NUTRITION AND DIETETICS**	Reference Sheet Number: **DIET-SFSI-08**

ROOM TITLE	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
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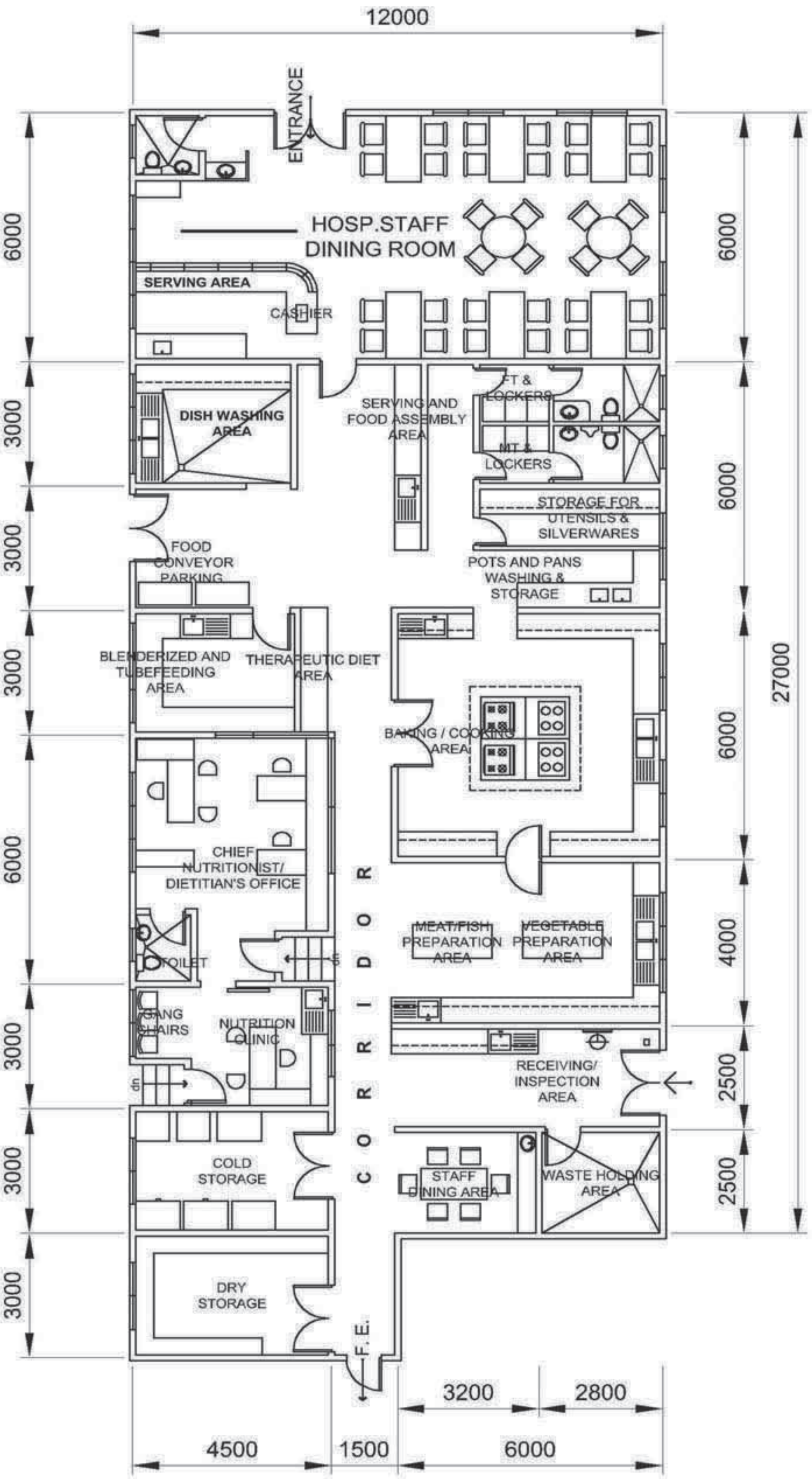
Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2014	Department: NUTRITION AND DIETETICS	Reference Sheet Number: DIET-DDS-01

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **HOSPITAL STAFF DINING ROOM**	Reference Sheet Number: **DIET-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Authorized hospital staff diners take their meals.	Baine Marie (food warmer) Stainless Food Counter Waste Bin w/ black lining	 3	

People Involved:	FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
32 x Hospital Staff/Personnel per sitting	Dining table	8	
	Chair, upright, stacking	32	
	Lavatory-in-counter	1	
	Tray & Utensil Truck	1	
	Cashier's Counter	1	
	Cashier's Stool	1	
	Sink-in-counter, shelves below	1	
	Water Closet w/ spray hose	1	
	Lavatory, pedestal type	1	
	Concealed Floor Drain	2	
	Floor Strainer	1	

Planning Relationships:	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
6/25/2014	Window curtain rail	7	
	Outlet, 10A, 2P, 240V, duplex	11	grounding type, universal slots
	Split type ACU, 3 ton	2	optional
	Ceiling fan	3	grounding type, universal slots
	Outlet, 15A, 2P, duplex	1	for food warmer, grounding type
	Outlet, 15A, 2P, duplex	2	countertop, grounding type
	Outlet, 20A, 2P, single	1	hard dryer
	Outlet, DATA	1	wall-mounted
	Outlet, telephone	1	countertop, grounding type
	Outlet, 10A, 240V, single	3	Exhaust fan, toilet & bath, emergency light
	Smoke Detector	2	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **HOSPITAL STAFF DINING ROOM**	Reference Sheet Number: **DIET-RDS-01B**

TECHNICAL DESIGN DATA:

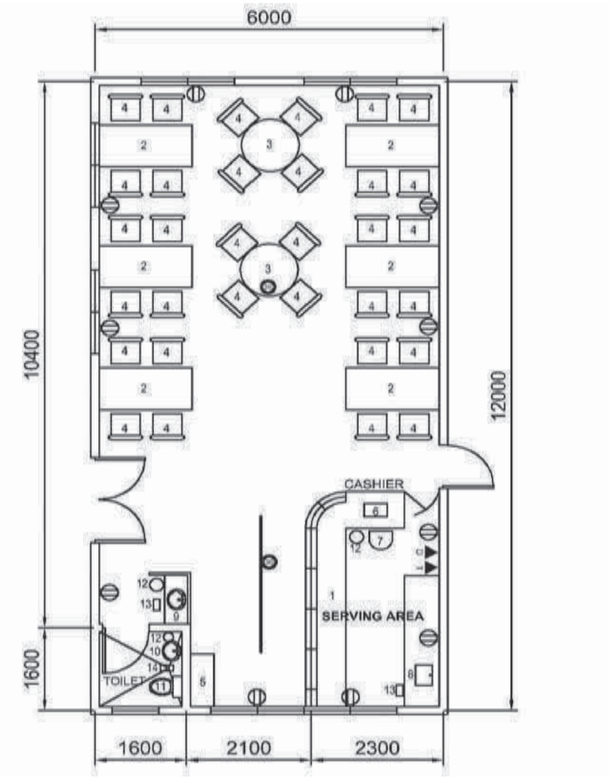
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	4.8		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	Baine Marie (food warmer)
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	N/A	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	hospital staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **HOSPITAL STAFF DINING ROOM**	Reference Sheet Number: **DIET-RDS-01C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at lavatory
Cold water	required at lavatory
Drainage	required at lavatory and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Food Counter
2. Dining Counter, 750x1200
3. Circular Dining Table, 900 dia.
4. Dining Chair
5. Trays/Utensils Counter Truck
6. Cashier's Counter
7. Cashier's Stool
8. Sink-in-counter, shelves below
9. Lavatory-in-counter, cabinets below
10. Lavatory, pedestal type
11. Water Closet w/ spray hose
12. Waste Bin
13. Concealed Floor Drain
14. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Minimum Area per Diner : 1.00 sq. m.

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **M/F LOCKER ROOM & TOILETS**	Reference Sheet Number: **DIET-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Food Service Supervisor/Workers/Cooks to change clothes in toilet and bathroom. B. Food Service Supervisor/Workers/Cooks to bathe and perform other personal hygiene activities. c. Food Service Supervisor/Workers/Cooks store clothing and personal effects in the Locker Area.	Exhaust Fan		
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 8 x Food Service Workers 2 x Cook 1 x Food Supervisor	Locker, 500x600 Water Closet Lavatory Shower Cubicle Urinal	6 2 2 2 1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Close to Dishwashing Area. b. Adjacent to Food Assembly/Tray Set-up Area	Window curtain rail	2	
	Outlet, 10A, 2P, 240V	4	grounding type, universal slots
	Outlet, 15A, 2P, 240V	2	grounding type,universal slots
	Water Heater, 6kw	2	Male & Female T & B

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **M/F LOCKER ROOM & TOILETS**	Reference Sheet Number: **DIET-RDS-02B**

TECHNICAL DESIGN DATA:

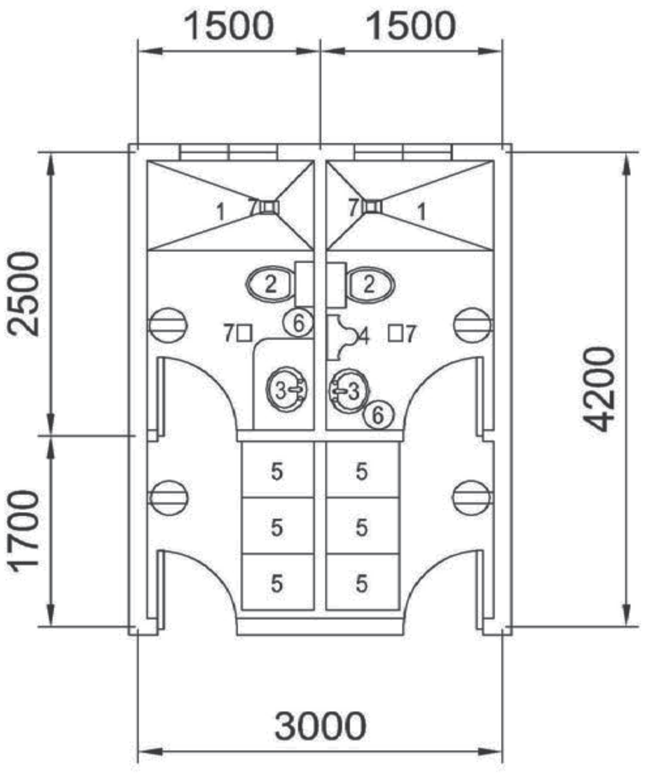
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	N/A	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	N/A	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	food service workers
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **M/F LOCKERS & TOILETS**	Reference Sheet Number: **DIET-RDS-02C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures & floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Shower Cubicle
2. Water Closet
3. Lavatory
4. Urinal
5. Locker, 500x600
6 waste bin
7 Floor strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **CHIEF NUTRITIONIST/DIETITIAN'S OFFICE**	Reference Sheet Number: **DIET-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Chief Dietitian calls meeting with staff for the preparation of monthly menu.
b. Chief Dietitian and staff reads, writes and uses telephone in his work station.
c. Dietitian and staff receives visitors.
d. Dietitian and staff store, file and retrieve records.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Computer	1	
Calculating machine	2	
FAX Machine	1	
Printer	1	
Telephone	1	
Waste Bin w/ black lining	2	

People Involved:

1 x Chief Dietitian
2 x Staff

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Desk, 600x1500	1	
Desk, 600x1200	2	
Side Extension,400x1500	1	
Junior Executive Chair	1	
Clerical Chair	2	
Visitor's Chair	2	
Cabinet Divider, 400x1200	1	
Built-in Cabinet, 400x4500	1	
Water Closet w/ spray hose	1	
Lavatory	1	
Floor Strainer	1	

Planning Relationships:

a. Located in the kitchen where it shall give the Dietitian extensive view of work areas and control over possible pilferage of dietary supplies and equipment.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	3	
Outlet, DATA	1	
Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal slots
Smoke detector	1	
Outlet, 10A, 2P, 240V, single	1	for emergency light
Outlet, telephone	1	T & B Exhaust
ACU, window/split-type	1	Fan

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **CHIEF NUTRITIONIST/DIETITIAN'S OFFICE**	Reference Sheet Number: **DIET-RDS-03B**

TECHNICAL DESIGN DATA:

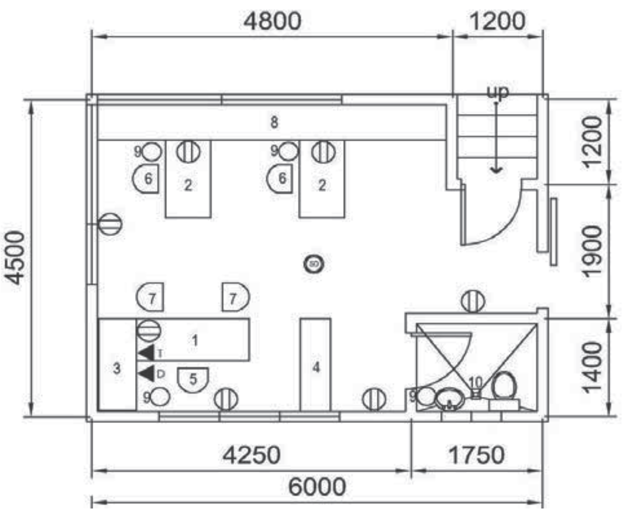
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essetial: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.44		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	chief dietitian & staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **CHIEF NUTRITIONIST/DIETITIAN'S OFFICE**	Reference Sheet Number: **DIET-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at lavatory
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential:DESIRABLE: unnecessary
Vibration free	essential:DESIRABLE: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	clear, privacy control

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1500
2. Desk, 600x1200
3. Side Extension, 400x1500
4. Cabinet Divider, 400x1200
5. Junior Executive Chair
6. Clerical Chair
7. Visitor's Chair
8. Built-in Cabinet, 400x4500
9. Waste bin
10. Floor strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **NUTRITION CLINIC**	Reference Sheet Number: **DIET-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Dietitian/Nutritionist does individual food-related counselling.
b. Dietitian/Nutritionist does body fat testing.
c. Pamphlets on vegetarianism, exercise, cholesterol and weight reduction are given to patients (outpatient or inpatient).
d. Dietitian provides nutrition counselling to help treat and prevent disease through dietary changes.

People Involved:

1 x Dietitian/Nutritionist
1 x Patient

Planning Relationships:

a. Located within the Dietary Department.
b. Adjacent to the Dietitian's Office.
c. Must have an access outside the Dietary Department.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Waste Bin w/ black lining	1	
Weighing scale/Height scale	1	
Bulletin Board	1	
Food Model		
Food Pyramid Guide		
Measuring Cups	1 set	
Measuring Spoon	1 set	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Desk, 600mmx1500mm	1	
Side Extension, 400x900	1	
Back Cabinet, 400x1500	1	
Clerical Chair	1	
Visitor's Chair	2	
3-Seater, Gang Chair	1	
Concealed Floor Drain w/ waterless trap	1	
Sink w/ drainboard	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window Curtain Rail	1	
Outlet, 10A,2P,240V, duplex	3	grounding type, universal slots
ACU, window/split-type	1	
Outlet, intercom	1	wall-mounted
Outlet, telephone	1	desk top
Smoke Detector	1	ionization type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **NUTRITION CLINIC**	Reference Sheet Number: **DIET-RDS-04B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93-99%	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	dietitian/nutritionist and patient
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **NUTRITION CLINIC**	Reference Sheet Number: **DIET-RDS-04C**

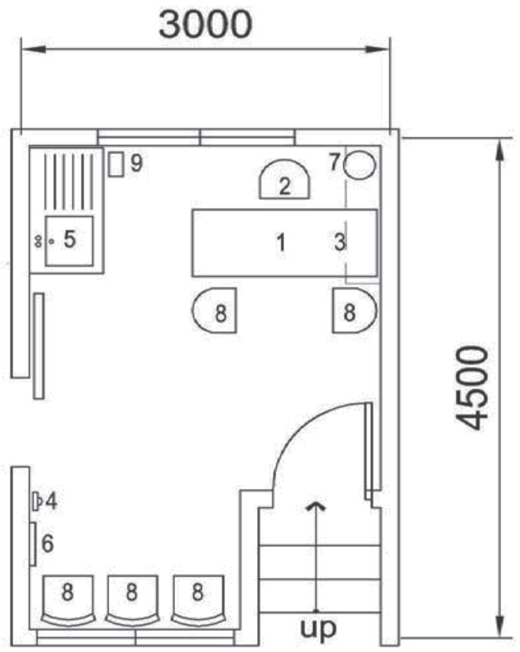
TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at sink
Cold water	required at sink
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	

DIRECT DEMANDS ON FLOOR AND WALL

Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1500
2. jr executive chair
3. wall - hung book shelves
4. weighing scale
5. sink w/ drainboard cabinet below

6, bulletin board
7, waste bin
8, chair upright stacking
9, concealed floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **FOOD PREPARATION AREA**	Reference Sheet Number: **DIET-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Food Service Workers prepare food (i.e. wash and peel) vegetables, slice and cut meat and fish, segregate foodstuff.
C. Food Service Workers to set-up and assemble cooked food.
d. Dietitian puts tags on prepared trays for pay patients.
e. Food Service Workers place food trays and containers on food conveyors to be taken to the wards.
f. Pre-preparation of food like embutido, relyeno, etc.

People Involved:

1 x Dietitian
1 x Cook
2 x Food Service Workers

Planning Relationships:

a. Adjacent to Staff Dining.
b. Close to Dietitian's Office.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Food preparation counter	1	
Tray set-up counter	1	
Vertical Cutter	1	
Vegetable Slicer	1	
Mixing Bowl	3	
Basket Strainer	1	
Heavy-duty Knives	3	
Waste Bin w/ Green lining	2	biodegradables
Waste Bin w/ Black lining	1	non-biodegradables

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Double compartment sink, w/ each compartment 400x600x350, 2 drainboards, cabinets below	1	
Single compartment sink, 600x600x350	1	
Counter, open shelves below		
Wall-hung cabinets		
Trench Grating Drain	2	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, DATA	1	local
Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal
Outlet, 10A, 2P, 240V, single	2	for emerghency light
Smoke Detector	1	ionization type
Outlet, Telephone	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **FOOD PREPARATION AREA**	Reference Sheet Number: **DIET-RDS-05B**

TECHNICAL DESIGN DATA:

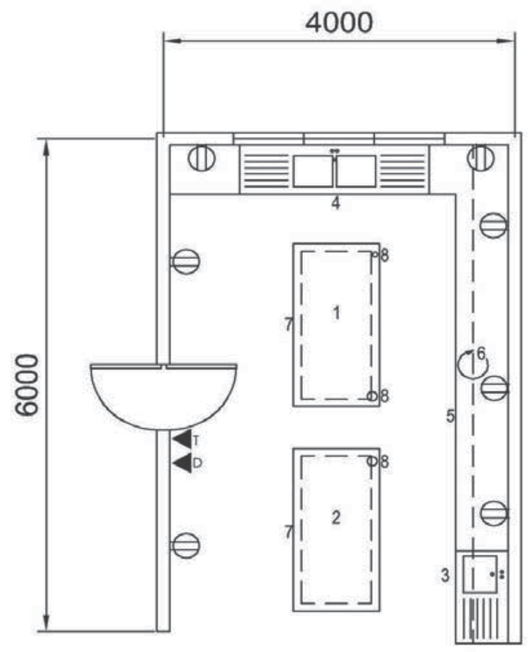
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	ESSENTIAL: desirable: unnecessary
Positive Pressure (Pa)	N/A	View out	ESSENTIAL: desirable: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	heat-generating appliances
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	N/A	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	dietetics staff
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **FOOD PREPARATION AREA**	Reference Sheet Number: **DIET-RDS-05C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at sink
Cold water	required at sink
Drainage	provide floor drain
Gas	LPG supply
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: occasional: FREQUENT
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	clear, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Food Preparation Counter
2. Tray Set-up Counter
3. Single Compartment Sink, 600x600x350, cabinets below
4. Double compartment sink, w/ each compartment 400x600x350, two drainboards, cabinets below
5. Counter, open shelves below
6. Wall-hung Cabinets
7. Trench Grating Drain
8. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: **100-Bed (Level 2)**	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **COOKING AND BAKING AREA**	Reference Sheet Number: **DIET-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Cooking and baking of food.	Range w/ oven Range w/ broiler Exhaust hood Stainless Cook's,\ Working Counter Heavy-Duty Frying Pan Kawa Griddle Pan Rice Cooker Pressure Cooker Drainage	1 1 1 1 1 1 1	

People Involved:	FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
1 x Dietitian 1 x Cook 2 x Food Service Workers	Double-compartment sink, two drainboards Single-compartment sink Wall-hung cabinets Counter, 900mm high, cabinets below Trench Grating Drain Concealed Floor Drain	1 1 1 2	

Planning Relationships:	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
a. Adjacent to Staff Dining. b. Close to Dietitian's Office.	Window curtain rail	2	
	Outlet, DATA	1	local
	Outlet, 10A, 2P, 240V, duplex	3	grounding type, universal slots
	Outlet, 15A, 2P, 240V, single	3	grounding type, universal slots
	Outlet, Telephone	1	
	Outlet, 10A, 2P, 240V, single	3	for exhaust fan and emergency light fixed temperature
	High Pressure Gas Piping System	1	
	Heat Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2013	Department: NUTRITION & DIETETICS	Room Title: COOKING AND BAKING AREA	Reference Sheet Number: DIET-RDS-06B

TECHNICAL DESIGN DATA:

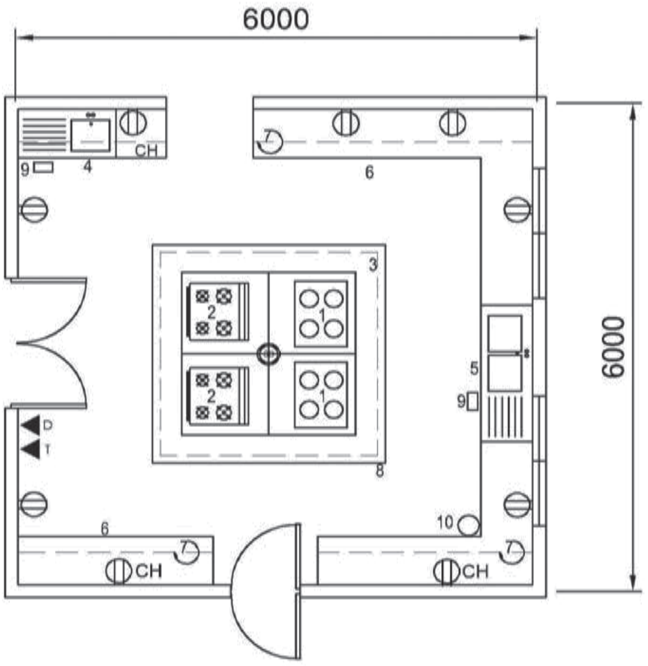
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	ESSENTIAL: desirable: unnecessary
Positive Pressure (Pa)	N/A	View out	ESSENTIAL: desirable: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	heat-generating appliances
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	N/A	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	dietetics staff
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **COOKING & BAKING AREA**	Reference Sheet Number: **DIET-RDS-06C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at sink
Cold water	required at sink
Drainage	provide floor drain
Gas	LPG supply
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: occasional: FREQUENT
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	clear, solar controll
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Range with oven
2. Range with broiler
3. Exhaust hood
4. Single compartment sink,600x600x350
5. Double compartment sink, w/ each compartment 400x600x350, one drainboard
6. Counter, 900mm high, cabinets below
7. Wall cabinets
8. Trench Grating Drain
9. Concealed Floor Drain
10. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:
Provide grill enclosure for LPG storage outside.

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **THERAPEUTIC DIET PREPARATION AREA**	Reference Sheet Number: **DIET-RDS-07A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. The Nutritionist/Dietitian prepare for the therapeutic diet modified from regular diet. b. The Nutritionist/Dietitian measures and determines the portion or size to be given to the patient.	Dietetic Scale Knives and chopping board Vegetable peeler Measuring cups Measuring spoons Food trays Food tags	1 1 set 1 1 set 1 set	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 1 x Nutritionist /Dietitian 1 x Food Service Worker	Food Assembly Stainless Counter/Table Chair	1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Near the Blenderized and Tube Feeding Area.	Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Outlet, Electric Fan	1 2 1	emergency light and exhaust fan wall-mounted

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **THERAPEUTIC DIET PREPARATION AREA**	Reference Sheet Number: **DIET-RDS-07B**

TECHNICAL DESIGN DATA:

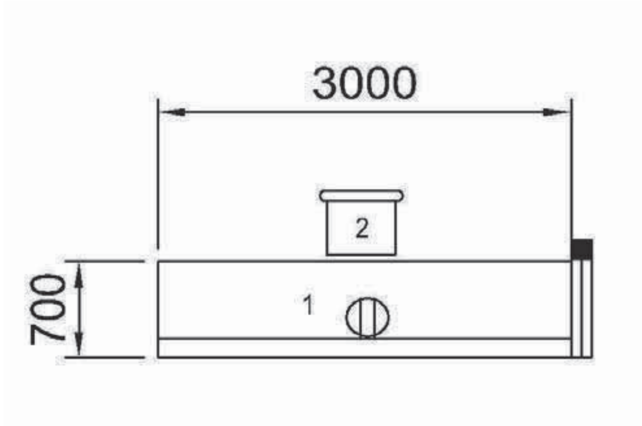
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	N/A	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	dietetics staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **THERAPEUTIC DIET PREPARATION AREA**	Reference Sheet Number: **DIET-RDS-07C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Food Assembly, stainless counter/table
2. Chair, upright, stacking

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **BLENDERIZED & TUBE FEEDING AREA**	Reference Sheet Number: **DIET-RDS-08A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Preparation of food needed for blenderized and tube feeding.
b. Preparation of equipment needed for blenderized tube feeding.

People Involved:

1 x Nutritionist /Dietitian
1 x Food Service Worker

Planning Relationships:

a. Close to Therapeutic Diet Area.
b. Adjacent to Dietitian/Nutritionist's Office.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Food Blender	1	
Measuring Cups and Spoons	1 set	
Bottles		clean and sterilized
Hot and cold water		

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Sink-in-counter, w/ drainboard, cabinets below	1	
Preparation Counter, Shelves below	1	
Electric Fan	1	
Concealed Floor Drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	6	wall-mounted
Outlet, 15A, 240V, single	3	countertop
Smoke Detector	1	
ACU, window type	1	
Window curtain rail	1	
Outlet, 10A, 2P, 240V, single	2	exhaust and emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **BLENDERIZED & TUBE FEEDING AREA**	Reference Sheet Number: **DIET-RDS-08B**

TECHNICAL DESIGN DATA:

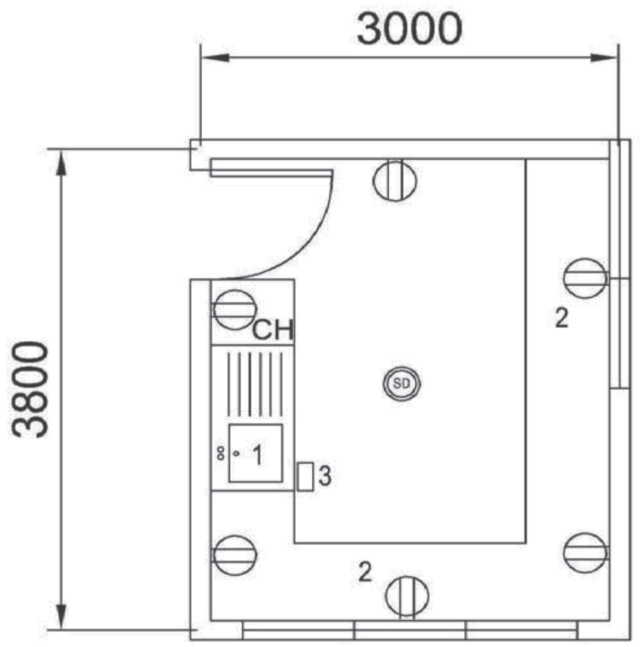
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	N/A	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	dietetics staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **BLENDERIZED & TUBE FEEDING AREA**	Reference Sheet Number: **DIET-RDS-08C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Sink-in-counter, cabinets below
2. Preparation Counter, 900mm high, shelves below
3. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **POTS/PANS WASHING & STORAGE**	Reference Sheet Number: **DIET-RDS-09A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Washing of pots, pans and other kitchen utensils used in cooking and baking. b. Storage of pots, pans and other kitchen gadgets and equipment.	Waste Bin w/ green lining	1	biodegradable
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 2 x Food Service Workers	Double compartment sink, w/ each compartment 400x600x350, 2 drainboards, cabinets below	1	
	Counter, open shelves below		
	Wall-hung cabinets		
	Counter, cabinets below		
	Concealed Floor Drain w/ waterless trap	1	
	Grease Trap	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to baking and cooking area.. b. Close to Dietitian's Office.	Window curtain rail	1	
	Outlet, 10A, 2P, 240V,	5	grounding type, universal slots
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **POTS/PANS WASHING & STORAGE**	Reference Sheet Number: **DIET-RDS-09B**

TECHNICAL DESIGN DATA:

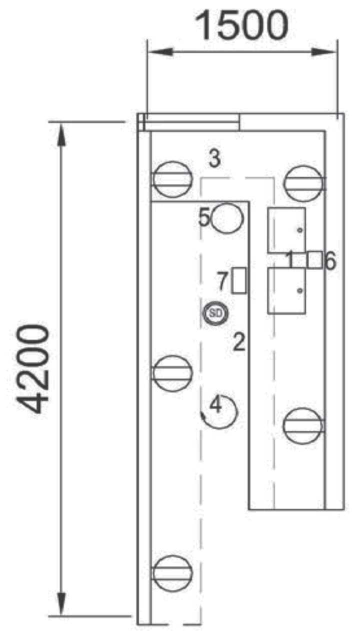
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	6	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	dietetics staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **POTS/PANS WASHING & STORAGE**	Reference Sheet Number: **DIET-RDS-09C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at sink
Cold water	required at sink
Drainage	required at floor drain
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	slight: occasional: FREQUENT
Foot traffic	light: medium: HEAVY
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Double compartment sink, 2 drainboards, cabinets below
2. Counter, open shelves below
3. Counter, cabinets below
4. Wall-hung cabinets
5. Waste Bin
6. Grease Trap
7. Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **STORAGE FOR UTENSILS/SILVERWARES**	Reference Sheet Number: **DIET-RDS-10A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of kitchen utensils and silverwares.			
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 2 x Food Service Workers	Open shelving, 600mm deep Wall-hung cabinets, 600mm deep		
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Close to Dietitian's Office.	Outlet, 10A, 2P, 240V, duplex	2	grounding type, universal slot
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **STORAGE FOR UTENSILS/SILVERWARES**	Reference Sheet Number: **DIET-RDS-10B**

TECHNICAL DESIGN DATA:

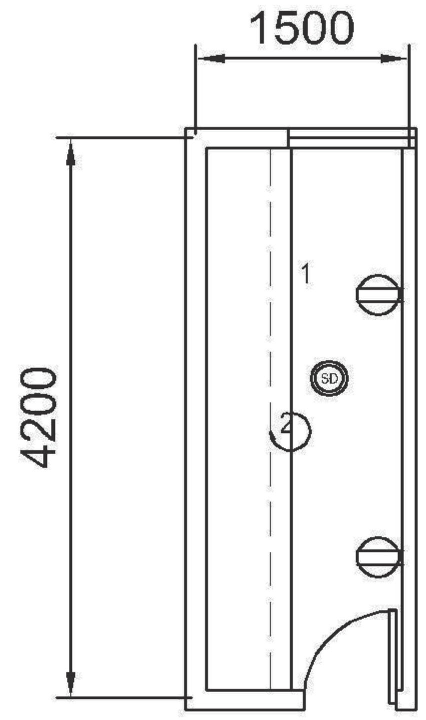
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	dietetics staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **STORAGE FOR UTENSILS/SILVERWARES**	Reference Sheet Number: **DIET-RDS-10C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	N/A
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	LIGHT: medium: heavy
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	high windows, clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Open shelves, 600mm deep; first shelf 900mm from floor
2. Wall-hung cabinets, 600mm deep

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **DISHWASHING AREA**	Reference Sheet Number: **DIET-RDS-11A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Washing of pots, pans, trays, dishes and other kitchen utensils.
b. Food Service Workers perform other clean-up activities.

People Involved:

2 x Food Service Workers

Planning Relationships:

a. Close to Food Preparation Area.
b. Close to Food Conveying Area.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Concealed Floor Drain	1	
Wall cabinet		
Counter w/ upturned edge		
Double compartment sink, with each compartment 600x600x350, two drainboards	1	
Dishwashing machine, single tank, floor model, vertical sliding door, 3000 pcs./hour capacity	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, 10A, 2P, 240V, duplex	4	grounding type, parallel slots
Hot & Cold Water		
Outlet, 15A, 2P, 240V, single	3	grounding type, tandem slots
Smoke Detector	1	
Outlet, 10A, 2P, 240V, single	1	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **DISHWASHING AREA**	Reference Sheet Number: **DIET-RDS-11B**

TECHNICAL DESIGN DATA:

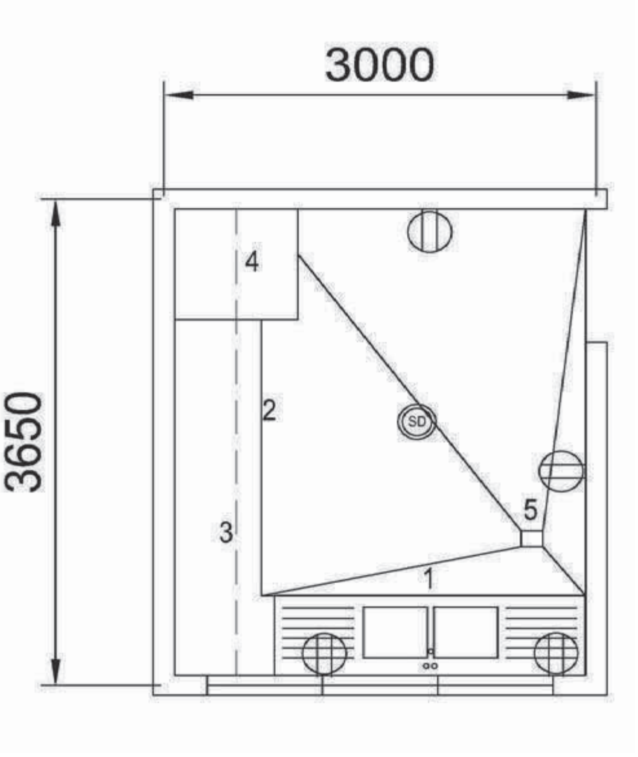
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	dietetics staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **DISHWASHING AREA**	Reference Sheet Number: **DIET-RDS-11C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at sink
Cold water	required at sink
Drainage	required at sink & floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	slight: occasional: FREQUENT
Foot traffic	light: medium: HEAVY
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Double compartment sink, w/ each compartment 600x600x350, two drainboards
2. Counter w/ upturned edge
3. Wall-hung Cabinets
4. Dishwashing machine, floor model 3000 pcs./hr. capacity
5. Concealed Floor drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **FOOD CONVEYOR PARK**	Reference Sheet Number: **DIET-RDS-12A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Washing of food tray truck/conveyor. B. Transit station for food tray truck/conveyor.	Tray truck/Food Conveyor Faucet with hose bibb	2 1	

People Involved:	FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
2 x Food Service Workers			

Planning Relationships:	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
a. Close to Dishwashing Area. b. Adjacent to Food Assembly/Tray Set-up Area	Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	2 1 1	grounding type, universal slot for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **FOOD CONVEYOR PARKING**	Reference Sheet Number: **DIET-RDS-12B**

TECHNICAL DESIGN DATA:

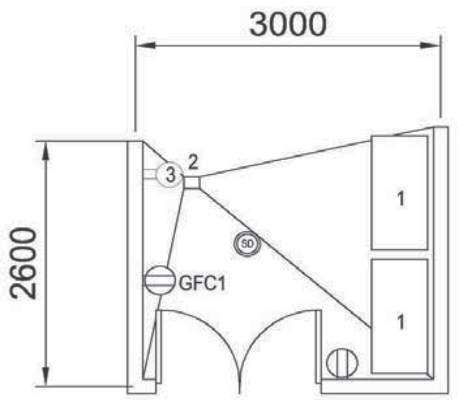
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	ESSENTIAL: desirable: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	at faucet
		Maximum temperature (deg. C)	70
		Access limit	dietetics staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **FOOD CONVEYOR PARKING**	Reference Sheet Number: **DIET-RDS-12C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at faucet
Drainage	required at floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	slight: occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Tray truck, 730x18830, 25 tray capacity, tray approximately 355x457
2. Floor drain
3. Faucet with hose bibb

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **SERVING AND FOOD ASSEMBLY AREA**	Reference Sheet Number: **DIET-RDS-13A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Food Service Workers to set-up and assemble cooked food. b. Food Service Workers place food trays and containers on food conveyors to be taken to the wards.	Food Preparation Counter Tray set-up counter Dietetic scale Diet tags	 1	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 1 x Nutritionist /Dietitian 2 x Food Service Worker	Single compartment sink, w/ drainboard Stainless dishing-out counter Wall-hung cabinets Concealed Floor Drain w/ waterless trap	1 1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Adjacent to Staff Dining. b. Close to Dietitian's Office.	Outlet, 10A, 2P, 240V, single Outlet, 10A, 2P, 240V, duplex	1 4	grounding type, universal slot, for emergency light grounding type, universal

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **SERVING AND FOOD ASSEMBLY AREA**	Reference Sheet Number: **DIET-RDS-13B**

TECHNICAL DESIGN DATA:

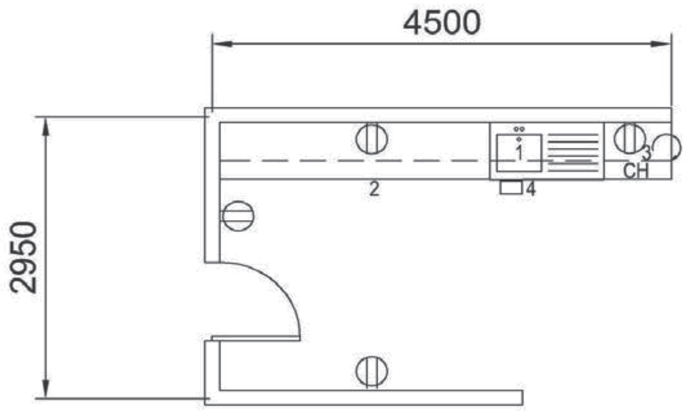
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	ESSENTIAL: desirable: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	N/A	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	dietetics staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **SERVING AND FOOD ASSEMBLY AREA**	Reference Sheet Number: **DIET-RDS-13C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at sink
Drainage	provide floor drain and sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: occasional: FREQUENT
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	nil, open to circulation
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Sink-in-counter, w/ drainboard
2. Stainless dishing-out counter
3. Wall-hung cabinets
4. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **RECEIVING AREA**	Reference Sheet Number: **DIET-RDS-14A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Dietitian on duty and Auditor witness weighing of foodstuff delivered by the supplier. b. Auditor inspects and checks quality of food items purchased from the market and those delivered by the supplier.	Platform scale, heavy-duty Hanging scale with pan Push cart Plastic Pallet Electric Fan, Ceiling Type	1 2 1 2 1	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 1 x Dietitian/Nutritionist 1 x Auditor 1 x Food Service Worker 2 x Agency Inspector	Tiled counter, 600mm deep Concealed Floor Drain w/ water less trap	 1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Adjacent to Dietitian's office. b. Close to Cold and Dry Storage Rooms.	Outlet, 10A, 2P, 240V, duplex Exhaust Fan Smoke Detector Outlet, 10A, 2P, 240V, single	5 1 1 1	grounding type, universal slots ionization type for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **RECEIVING AREA**	Reference Sheet Number: **DIET-RDS-14B**

TECHNICAL DESIGN DATA:

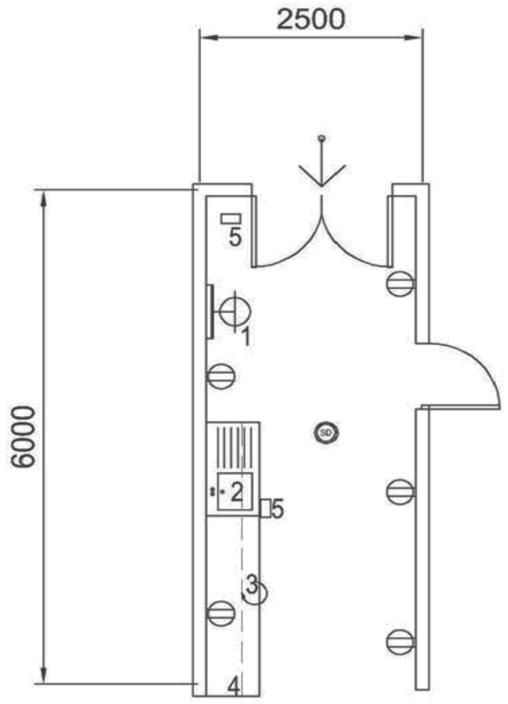
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	ESSENTIAL: desirable: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	chief dietitian & staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **NUTRITION & DIETETICS**	Room Title: **RECEIVING AREA**	Reference Sheet Number: **DIET-RDS-14C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at sink
Drainage	required at floor drain and sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: medium: HEAVY
Wheel traffic	light: medium: HEAVY
Impacts	slight: occasional: FREQUENT
Abrasion	slight: occasional: FREQUENT
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	push cart access
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Platform Scale, Heavy-duty
2. Sink-in -counter, w/ drainboard, cabinets below
3. Wall-hung cabinets
4. Tiled Counter, 600mm deep, for checking deliveries
5. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **COLD STORAGE**	Reference Sheet Number: **DIET-RDS-15A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Storage of poultry, meat and dairy products procured.
b. Storage of foodstuff that easily spoils, egg. vegetables, fruits, etc.
c. Storage of leftover cooked foodstuff that are still edible.

People Involved:

1 x Food Service Worker

Planning Relationships:

a. Adjacent to Dry Storage Room.
b. Close to Receiving Area.
c. Adjacent to Dietitian's Office.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Refrigerator, 20cu.ft.	2	
Freezer, 20cu.ft.	2	
Chiller, 20cu.ft., reach-in	1	
Exhaust fan	1	
Weighing Scale	1	
Food Cart	1	
Plastic Pallet	2	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Table, 750 x 1200	1	
Concealed Floor Drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	2	grounding type, universal slots
Outlet, 15A, 2P, 240V, single	6	grounding type, universal slots
Outlet, 15A, 2P, 240V, single	2	exhaust fan and emergency light
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **COLD STORAGE**	Reference Sheet Number: **DIET-RDS-15B**

TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	N/A	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	N/A	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	dietetics staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

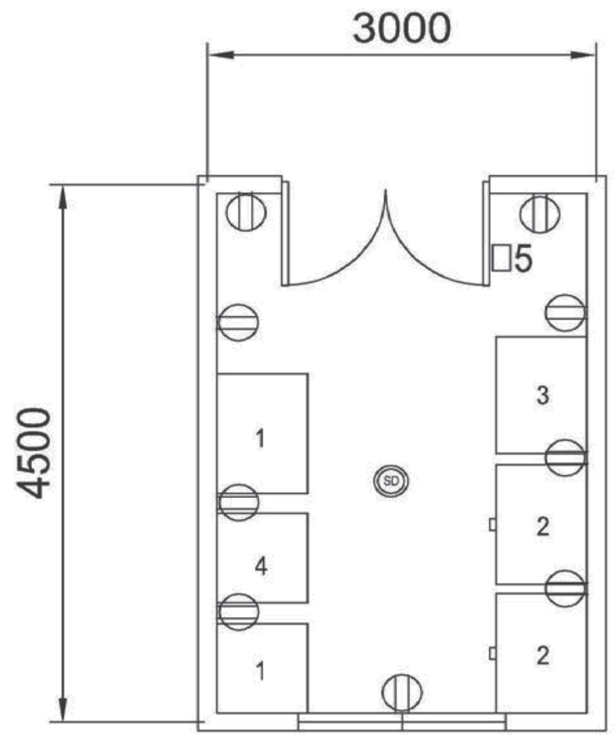
Hospital: 100-Bed (Level 2)	ROOM DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU

Updated Reference:	Department:	Room Title:	Reference Sheet Number:
MAY 2014	**NUTRITION & DIETETICS**	**COLD STORAGE**	**DIET-RDS-15C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	N/A
Hot water	N/A
Cold water	N/A
Drainage	provide floor drain
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Refrigerator, 20 cu.ft.
2. Freezer, 20 cu.ft.
3. Table, 750x1200
4. Chiller
5. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Door should be provided with locker.

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **DRY STORAGE**	Reference Sheet Number: **DIET-RDS-16A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	**EQUIPMENT AND ACCESSORY CHECKLIST**	**QUANTITY**	**REMARKS**
a. Storage of foodstuff procured. b. Storage of foodstuff intended for the next two meals. c. Storage of excess supplies for future use. d. Storage of foodstuff that does not spoil easily.	Step ladder, pantry type Stainless Push cart Digital Weighing Scale Calculator Ceiling Fan	1 1 1 1 1	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 1 x Food Service Worker	Open shelves, 400mm deep Locked cabinet Counter, open below Chair, upright, stacking	 1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Adjacent to Cold Storage Room. b. Close to Receiving Area. c. Adjacent to Dietitian's Office.	Outlet, 10A, 2P, 240V, duplex Smoke Detector Outlet, 10A, 2P, 240V, single	5 1 1	grounding type, parallel slots ionization type

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **DRY STORAGE**	Reference Sheet Number: **DIET-RDS-16B**

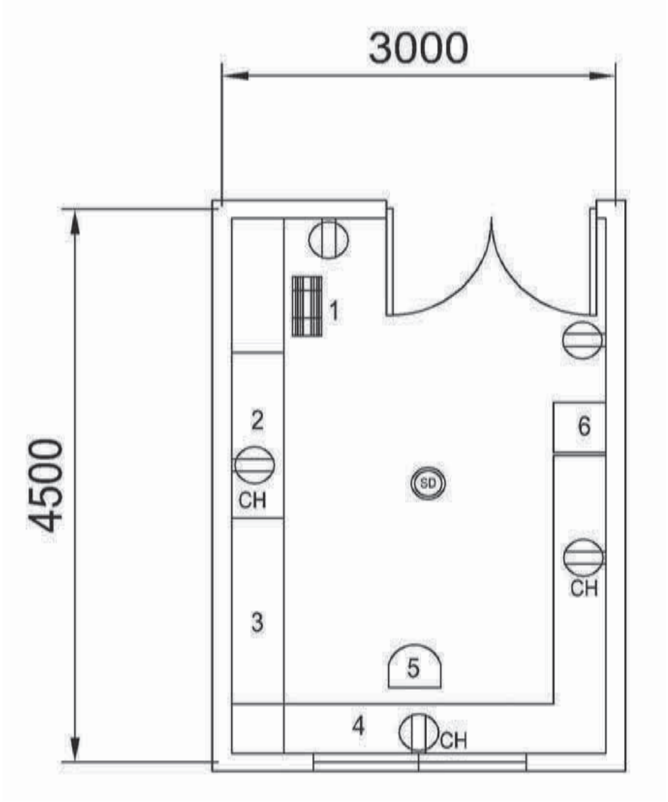
TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	N/A	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	N/A	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	dietetics staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **DRY STORAGE**	Reference Sheet Number: **DIET-RDS-16C**

TECHNICAL DESIGN DATA:	
DIRECT SERVICES	**DESIGN DATA**
Disposal	N/A
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Step ladder, pantry type
2. Open shelves, 400mm deep
3. Locked cabinet
4. Counter, open below
5. Chair, upright, stacking
6. Push cart

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **DIETETICS STAFF DINING ROOM**	Reference Sheet Number: **DIET-RDS-17A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	**EQUIPMENT AND ACCESSORY CHECKLIST**	**QUANTITY**	**REMARKS**
a. Dietetics staff take their meals.			
	Waste Bin w/ green lining	1	biodegradable
	Waste Bin w/ black lining	1	non-biodegradable
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved:			
Dietetics Staff/Personnel	Dining table	1	
	Dining Chair	6	
	Lavatory-in-counter, cabinets below		
	Concealed Floor Drain w/ waterless trap	1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships:			
a. Within the Dietetics Service.	Window curtain rail	1	
	Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal slots
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **DIETETICS STAFF DINING ROOM**	Reference Sheet Number: **DIET-RDS-17B**

TECHNICAL DESIGN DATA:

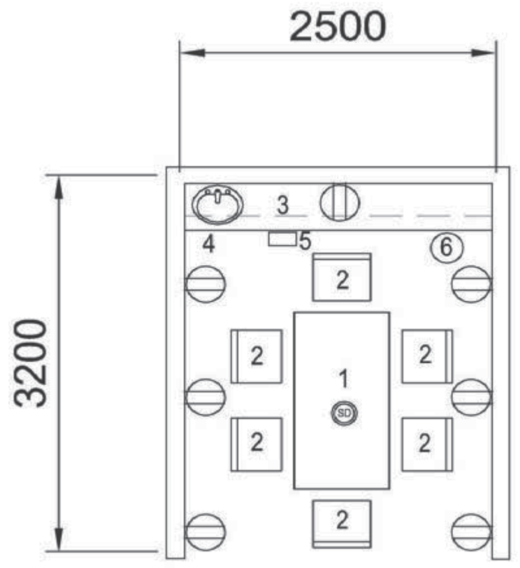
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	eseential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% - 99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.53		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	single burner stove
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	N/A	Domestic hot water:	at lavatory
		Maximum temperature (deg. C)	70
		Access limit	dietetics staff
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **DIETETICS STAFF DINING ROOM**	Reference Sheet Number: **DIET-RDS-17C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	required at lavatory
Cold water	required at lavatory
Drainage	required at lavatory and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	N/A
Windows	N/A
Internal glazing	N/A

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Dining Table, 750x1500
2. Dining Chair
3. Counter, 900 mm high, shelves below
4. Lavatory-in-counter, cabinet below
5. Concealed Floor Drain
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **WASTE HOLDING AREA**	Reference Sheet Number: **DIET-RDS-18A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Food Service Workers sort garbage accordingly. B. Food Service Workers pack garbage and/or place sorted garbage into proper bins/container. c. Refuse generated for a day or two is temporarily stationed in this area prior to being collected for transfer to the waste management service.	Garbage Bin/Container Faucet w/ hose bibb	4 1	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 1 x Food Service Work	Floor Drain	1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Located in the perimeter of the Dietetics Area.	Outlet, 10A, 2P, 240V, duplex Smoke Detector Outlet, 10A, 2P, 240V, single	1 1 2	 for exhaust fan and emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **WASTE HOLDING AREA**	Reference Sheet Number: **DIET-RDS-18B**

TECHNICAL DESIGN DATA:

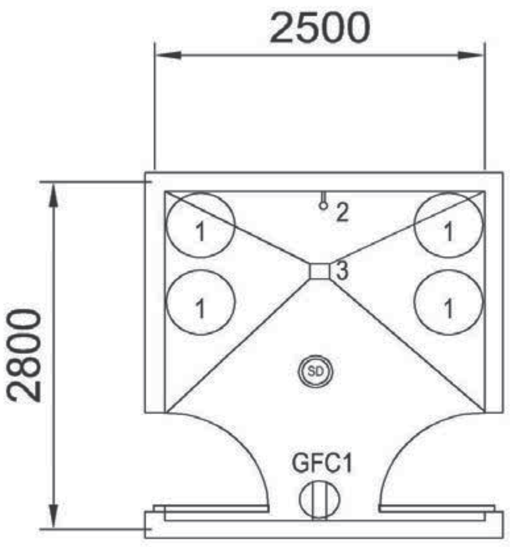
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	N/A	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	N/A	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	food service workers
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2013**	Department: **NUTRITION & DIETETICS**	Room Title: **WASTE HOLDING AREA**	Reference Sheet Number: **DIET-RDS-18C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at faucet
Drainage	required at floor drain
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	transport trolley access
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Garbage Bin
2. Faucet w/ Hose Bibb
3. Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

VOLUME 3

STANDARD PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

3.9 ENGINEERING, MAINTENANCE & HOUSEKEEPING SERVICE FACILITIES

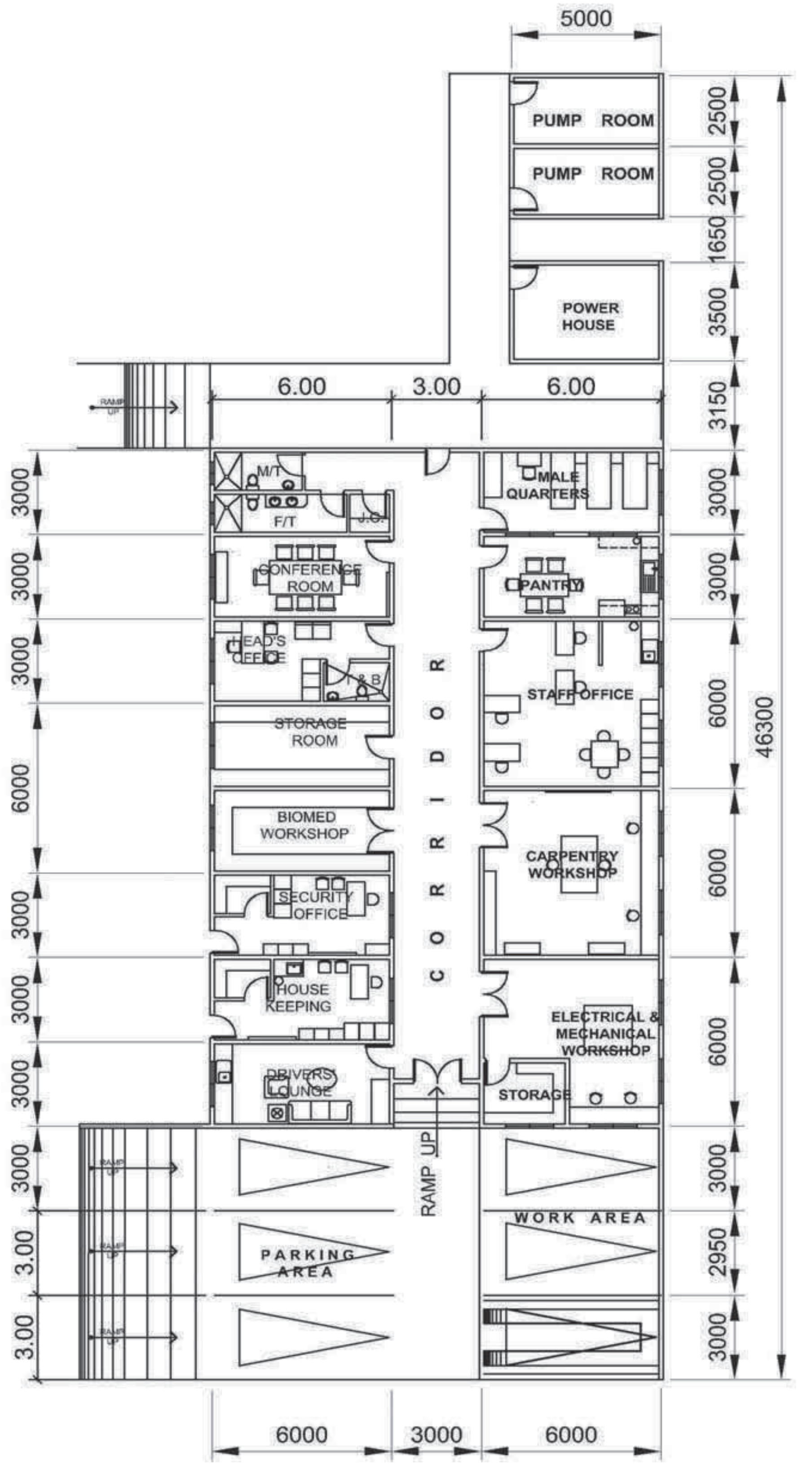
Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Hospital: 100-Bed (Level 2)	SERVICE FACILITY SHEET INDEX	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Service Facility Title: **ENGINEERING, MAINTENANCE & HOUSEKEEPING**	Reference Sheet Number: **ENG-SFSI-09**

ROOM TITLE	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
ENGINEERING AND MAINTENANCE		**423**		
GARAGE, WORK AND PARKING AREAS	135		**ENG-RDS-01**	**599**
DRIVERS' LOUNGE	18		**ENG-RDS-02**	**602**
SECURITY OFFICE	18		**ENG-RDS-03**	**605**
HOUSEKEEPING OFFICE	18		**ENG-RDS-04**	**608**
WORKSHOP				
BIOMED	18		**ENG-RDS-05**	**611**
CARPENTRY	36		**ENG-RDS-06**	**614**
ELECTRICAL AND MECHANICAL	36		**ENG-RDS-07**	**617**
HEAD'S OFFICE	18		**ENG-RDS-08**	**620**
STAFF OFFICE	36		**ENG-RDS-09**	**623**
CONFERENCE ROOM	18		**ENG-RDS-10**	**626**
STAFF PANTRY	18		**ENG-RDS-11**	**629**
MALE QUARTERS	18		**ENG-RDS-12**	**632**
M/F TOILETS & BATHS & JANITOR'S CLOSET	18		**ENG-RDS-13**	**635**
STORAGE ROOM	18		**ENG-RDS-14**	**638**

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Reference Sheet Number: **ENG-DDS-01**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **GARAGE, WORK AND PARKING AREAS**	Reference Sheet Number: **ENG-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Mechanic checks/repairs vehicles. b. Driver parks vehicles. c. Driver cleans vehicles.	Air compressor Vacuum Pump Pressure Washer Hydraulic Jack Battery Charger Hydraulic Lifter Waste bin Fire Extinguisher	1 1 1 1 1 1 1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Mechanic 1 x Driver	Shelves, 500mm deep Whiteboard Oil Interceptor	1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
	Outlet, 10A, 2P, 240 V, duplex	4	grounding type universal
a. Close to Workshop (Electrical and Mechanical) and Driver's Lounge.	Outlet, 10A, 2P, 240V, single	2	for emergency light
	Outlet, 15A, 2P, 240V, duplex	6	
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **GARAGE, WORK AND PARKING AREAS**	Reference Sheet Number: **ENG-RDS-01B**

TECHNICAL DESIGN DATA:

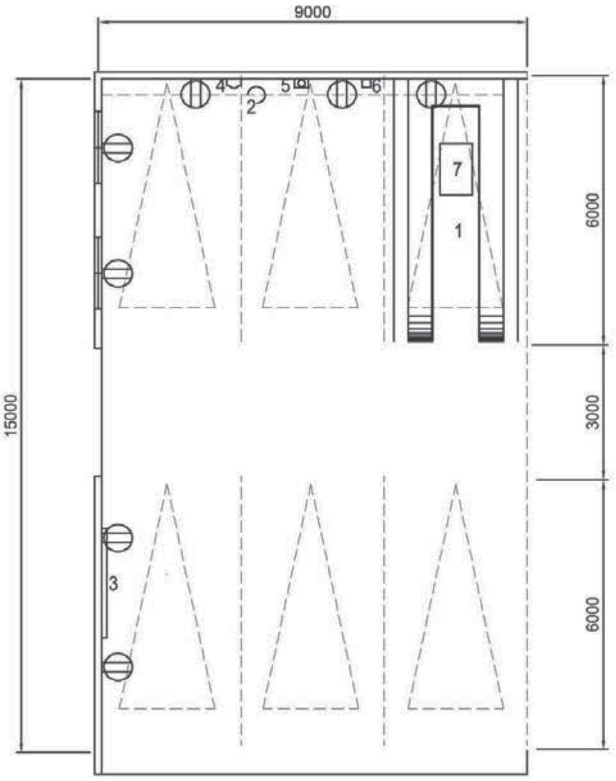
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
12.75	N/A	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	N/A	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	ESSENTIAL: desirable: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineering and maintenance staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **GARAGE, WORK AND PARKING AREAS**	Reference Sheet Number: **ENG-RDS-01C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: D, G
Hot water	N/A
Cold water	required at pressure washer
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: medium: HEAVY
Spillage	slight: occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	slight: occasional: FREQUENT
Abrasion	slight: occasional: FREQUENT
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	nil, open to circulation
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Hydraulic Lifter
2. Shelves, 500mm deep
3. Whiteboard, 1200x2400
4. Pressure Washer
5. Vacuum Pump
6. Air Compressor
7. Oil Interceptor

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2014	Department: ENGINEERING AND MAINTENANCE	Room Title: DRIVERS' LOUNGE	Reference Sheet Number: ENG-RDS-02A

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Driver rests, sleeps, stores clothings and other belongings while waiting for transport service. b. Driver types trip tickets and requests for gasoline. c. Driver prepares and fills-up the endorsement checklist form. d. Driver receives request for transport. e. Driver stores, files and retrieves trip tickets and other documents. f. Mechanic prepares and records in a log book the preventive maintenance of vehicles and records of registration renewal. g. Mechanic receives spare parts for repair of vehicle.	ACU Typewriter Whiteboard	1 1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Driver Mechanic	Built-in Cabinet, 600mmx1500 Corner Table, 700x700 Closet Armchair, 750x750 3-Seater Sofa, 750x2000 Sink-in Counter, cabinets below Concealed Floor Drain w/ waterless trap	1 1 1 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Engineering and Maintenance Building.	Outlet, 10A, 2P, 240 V, duplex Window curtain rod Outlet, 10A, 2P, 240 V, single	8 1 1	grounding type universal

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2014	Department: ENGINEERING AND MAINTENANCE	Room Title: DRIVERS' LOUNGE	Reference Sheet Number: ENG-RDS-02B

TECHNICAL DESIGN DATA:

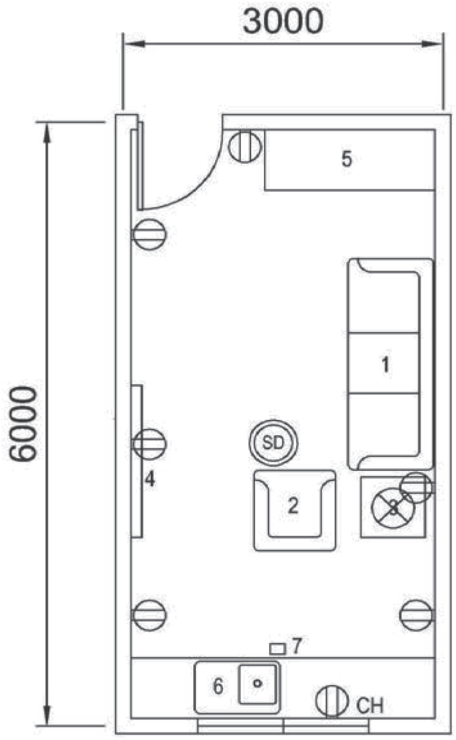
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineering and maintenance staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **DRIVERS' LOUNGE**	Reference Sheet Number: **ENG-RDS-02C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	Hospital solid waste type: G
Hot water	N/A
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. 3-Seater Sofa, 750x2000
2. Armchair, 750x750
3. Corner Table, 700x700
4. Whiteboard
5. Built-in Closet, 600x1500
6. Sink-in-counter, cabinets below
7. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **SECURITY OFFICE**	Reference Sheet Number: **ENG-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Security staff reads, writes and uses telephone in work station.
b. Security staff receives visitors.
c. Security staff stores, files and retrieves records.
d. Security staff uses computer.
e. Security staff writes detailed reports on crime incidents within the hospital vicinity/compound.
f. Storage of firearms, handcuffs and restraints.
g. If with CCTV's, the security staff watches/monitors video cameras/alarm systems for signs of crime, fire or disorder inside the hospital compound.
h. Security Staff to store clothing and personal protective equipment in the storage room.
i. Security Staff stores confiscated materials.

People Involved:

1 x Chief Security
2 x Security Guard

Planning Relationships:

a. Within the Engineering and Maintenance Building.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Computer	1	
Calculator	1	
CCTV monitor		
Whiteboard	1	
Waste Bin w/ black lining	1	
Telephone	1	
Hand Held Radio	1	
Fire Extinguisher	1	
Metal Detector	1	
Airconditioning Unit	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Swivel Chair	1	
Chair, upright, stacking	2	
Desk, 750x1500	1	
Shelves, 400x1500	1	
Steel filing cabinet	3	
Shelves		
Side Cabinet, 400x1200	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal
Outlet, 15A, 2P, 240V, single	2	for emergency light
Outlet, telephone	1	
Smoke detector	1	
Outlet, ACU	1	
Outlet, DATA	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **SECURITY OFFICE**	Reference Sheet Number: **ENG-RDS-03B**

TECHNICAL DESIGN DATA:

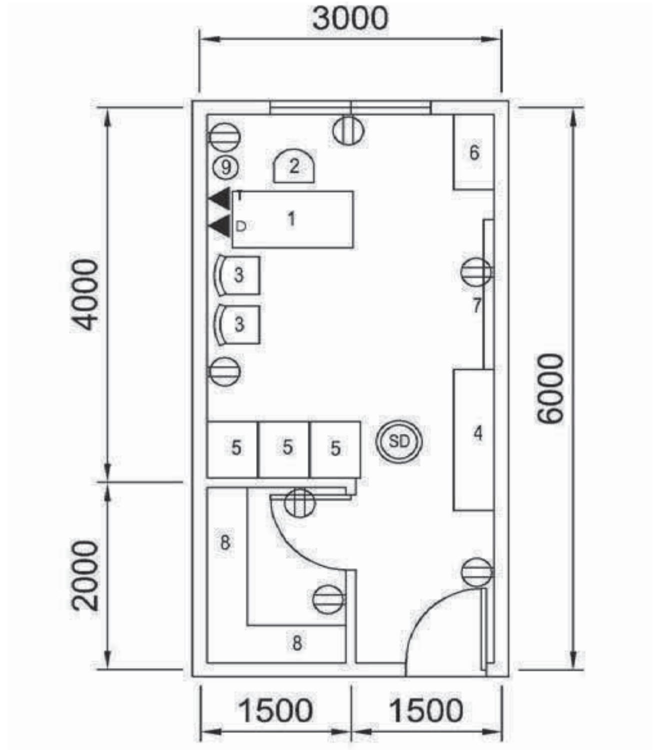
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% -99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	security staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **SECURITY OFFICE**	Reference Sheet Number: **ENG-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1500
2. Swivel Chair
3. Chair, upright, stacking
4. Shelves, 400x1500
5. Steel Filing Cabinet
6. Side Cabinet, 400x1200
7. Whiteboard
8. Shelves
9. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **HOUSEKEEPING**	Reference Sheet Number: **ENG-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Janitorial Staff reads, writes and uses telephone in work station.
b. Janitorial Staff receives visitors.
c. Janitorial staff stores, files and retrieves records.
d. Supervisor uses computer.
e. Supervisor makes inventory of cleaning supplies/paraphernalia and places order for them or reports to the Supply Officer.
f. Storage of clothing and personal protective equipment.
g. Storage of cleaning tools and supplies.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Computer	1	
Calculator	1	
CCTV monitor		
Whiteboard	1	
Telephone	1	
Waste Bin w/ black lining	1	biodegradable
ACU	1	
Waste Bin w/ yellow lining		chemical

People Involved:

Janitorial Staff
Supervisor

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Swivel Chair	1	
Chair, upright, stacking	2	
Desk, 750x1500	1	
Shelves, 400x1500	1	
Steel filing cabinet	3	
Shelves		
Sink-in-counter, cabinets below	1	
Concealed Floor Drain w/ waterless trap	1	

Planning Relationships:

a. Within the Engineering and Maintenance Building.

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	1	
Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal
Outlet, 10A, 2P, 240V, single	2	for emergency light
Outlet, telephone		
Smoke detector	1	
Outlet, DATA	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **HOUSEKEEPING**	Reference Sheet Number: **ENG-RDS-04B**

TECHNICAL DESIGN DATA:

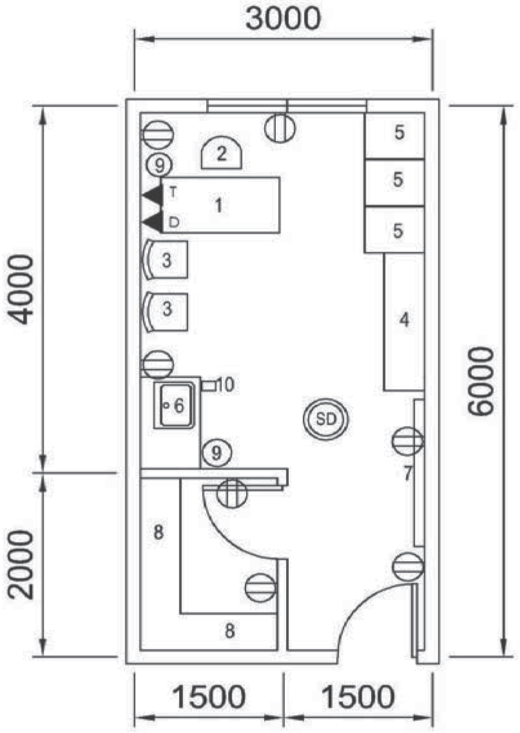
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% -99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	janitorial staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **HOUSEKEEPING**	Reference Sheet Number: **ENG-RDS-04C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: E, G
Hot water	N/A
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1500
2. Swivel Chair
3. Chair, upright, stacking
4. Shelves, 400x1500
5. Steel Filing Cabinet
6. Sink-in-counter, cabinets below
7. Whiteboard
8. Shelves
9. Waste Bin
10. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **WORKSHOP (BIOMED)**	Reference Sheet Number: **ENG-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Repair of medical equipment such as suction apparatus, negatoscope BP apparatus, etc. b. Prepares the needed supplies and equipment for the repair of medical apparatuses and units.	White board, 1200x2400 Circular pan Biomedical tools Waste Bin w/ black lining	1 1 1 set 1	 general
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Biomed Technician	Counter, 900mm high, cabinets below Stool Work table with 2" thick table top Cabinet with shelves Bench	 1 1 1	

Planning Relationships:	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
	Outlet, DATA	1	
a. Within the Engineering and Maintenance Building.	Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, telephone	1	
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **WORKSHOP (BIOMED)**	Reference Sheet Number: **ENG-RDS-05B**

TECHNICAL DESIGN DATA:

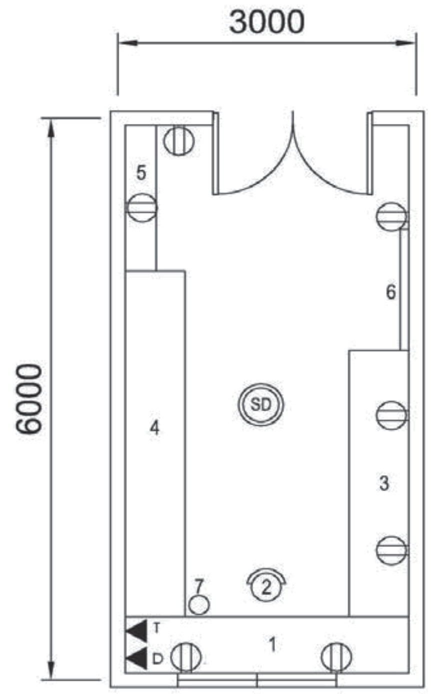
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1,000
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50%N	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineering and maintenance staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **WORKSHOP (BIOMED)**	Reference Sheet Number: **ENG-RDS-05C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: medium: HEAVY
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	light: MEDIUM: heavy
Abrasion	light: MEDIUM: heavy
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	equipment access
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Work table with 2" thk. tabletop
2. Stool
3. Wall-hung cabinets w/ shelves
4. Counter, 900mm high, cabinets below
5. Bench
6. Whiteboard, 100x2400
7. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **WORKSHOP (CARPENTRY)**	Reference Sheet Number: **ENG-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Repair of hospital furniture, cabinets, chairs and other woodworks. b. Assembly/fabricate furniture and other wood works. c. Painting, varnishing and refinishing of hospital furniture and other wood works. d. Prepares the needed supplies and tools for the repair of facilities.	White board, 1200x2400 Circular pan Carpentry tools Waste Bin w/ black lining	1 1 1 set 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Carpenter 1 x Painter	Counter, 900mm high, cabinets below Stool Work table with 2" thick table top Cabinet with shelves Bench Counter, 900mm high, cabinets below	 1 1 2	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Engineering and Maintenance Building.	Outlet, DATA Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	1 5 1 1	 grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **WORKSHOP (CARPENTRY)**	Reference Sheet Number: **ENG-RDS-06B**

TECHNICAL DESIGN DATA:

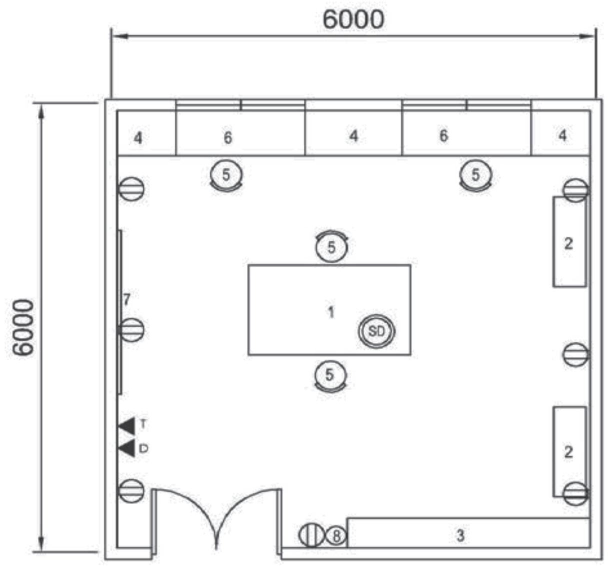
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1,000
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineering and maintenance staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **WORKSHOP (CARPENTRY)**	Reference Sheet Number: **ENG-RDS-06C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: medium: HEAVY
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	light: MEDIUM: heavy
Abrasion	light: MEDIUM: heavy
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	equipment access
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Work Table w/ 2" thick tabletop
2. Bench
3. Cabinet w/ shelves
4. Counter, 900mm high, cabinets below
5. Stool
6. Counter, 900mm high, open below
7. Whiteboard, 100x2400
8. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **WORKSHOP (ELECTRICAL AND MECHANICAL)**	Reference Sheet Number: **ENG-RDS-07A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Repair of aircons and refrigerators. b. Welding of trolleys, steel cabinets, cribs, and other steel works. C. Prepares needed supplies and equipment for the repair of facilities and building equipment. d. Repair of telephone and other building apparatuses.	White board, 1200x2400 Circular pan Electrical and mechanical tools Waste Bin w/ black or colorless lining	1 1 1 set 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Electrician 1 x Aircon Technician 1 x Electronic Technician	Counter, 900mm high, cabinets below Stool Work table with 2" thick table top Cabinet with shelves	 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Engineering and Maintenance Building.	Outlet, DATA Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Outlet, telephone Smoke Detector	1 13 1 1 1	 grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **WORKSHOP (ELECTRICAL AND MECHANICAL)**	Reference Sheet Number: **ENG-RDS-07B**

TECHNICAL DESIGN DATA:

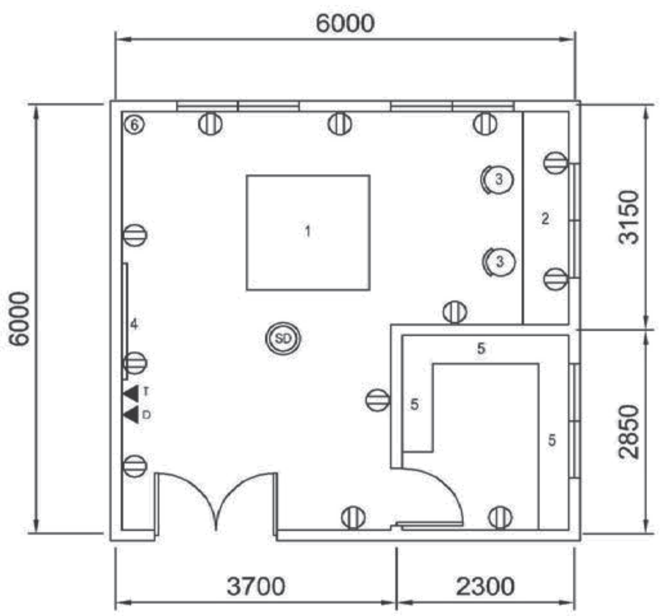
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1,000
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineering and maintenance staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **WORKSHOP (ELECTRICAL AND MECHANICAL)**	Reference Sheet Number: **ENG-RDS-07C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	Llight: medium: HEAVY
Spillage	SLIGHT: occasional: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	light: MEDIUM: heavy
Abrasion	light: MEDIUM: heavy
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	equipment access
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Work Table w/ 2" thick tabletop
2. Counter, 900mm high, cabinets below
3. Stool
4. Whiteboard, 1200x400
5. Cabinet w/ shelves
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **HEAD'S OFFICE**	Reference Sheet Number: **ENG-RDS-08A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Reads, writes and uses telephone in his/her work station. b. Receives visitors. c. Uses toilet facilities. d. Reviews and approves engineering and architectural plans. e. Approves documents and receives reports.	Computer Calculator Drafting tools ACU Telephone Direct Line Telephone Local Line Waste Bin w/ black or colorless lining	1 1 1 set 1 1 1 1	w/ printer
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Engineering Head Visitors Engineering Staff	Swivel Chair 2-Seater Sofa, 700x1200 Chair, upright, stacking Desk, 750x1500 Side Extension, 400x900 Steel filing cabinet Whiteboard Water Closet w/ spray hose Lavatory Floor Strainer	1 1 2 1 1 3 1 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Staff Office, Conference Room and Storage Area.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Outlet, telephone Smoke detector Outlet, DATA	1 10 2 1 1 1	 grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **HEAD'S OFFICE**	Reference Sheet Number: **ENG-RDS-08B**

TECHNICAL DESIGN DATA:

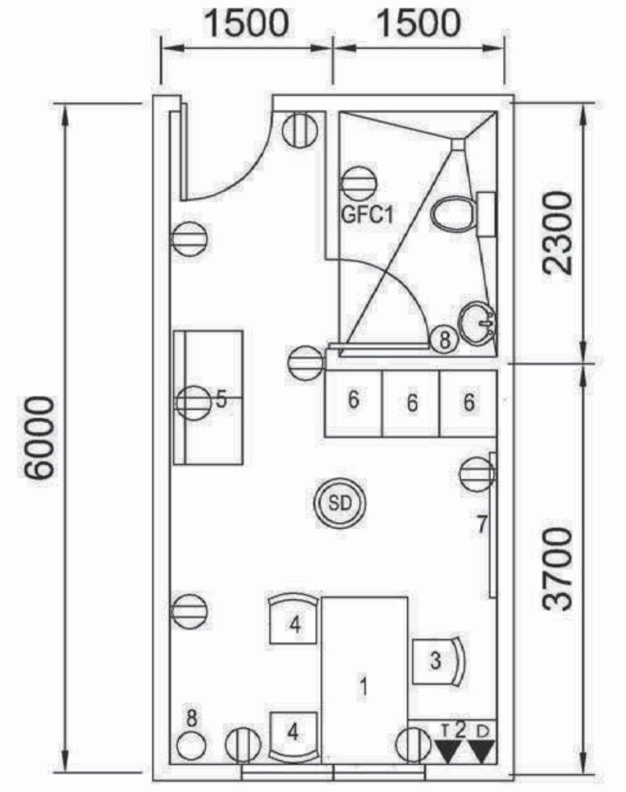
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% -99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineering head & maintenance staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **HEAD'S OFFICE**	Reference Sheet Number: **ENG-RDS-08C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	required at lavatory
Drainage	required at toilet floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1500
2. Side Extension, 400x900
3. Swivel Chair
4. Chair, upright, stacking
5. 2-Seater Sofa, 700x1200
6. Steel Filing Cabinet
7. Whiteboard
8. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **STAFF OFFICE**	Reference Sheet Number: **ENG-RDS-09A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a.Reads, writes and uses telephone in work station.
b. Receives visitors.
c. Stores, files and retrieve records.
d.Uses drafting tools.
e.Uses computer.
f. Requests, receives and stores spare parts and supplies.
g. Prepares documents for repair of vehicles.
h. Receives and records job order requests.
i. Prepares and records in a logbook the preventive maintenance of equipment and other facilities.
j. Reproduces copies of plans and documents.

People Involved:

1 x Maintenance Supervisor
2 x Mechanic/Carpenter
Plumber
Carpenter/Painter
Electrician
Electronic Technician
Driver
Aircon Technician

Planning Relationships:

a. Within the Engineering and Maintenance Building.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Computer	1	
Calculator	1	
Drafting tools	1 set	
Xerox machine	1	
Waste Bin w/ black lining	1	
Telephone Local line	1	
Telephone Direct Line	1	
ACU	1	
Whiteboard	1	
Partition, 1800mm high		

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Clerical Chair	4	
Dining Chair	4	
Desk, 600x1200	4	
Steel filing cabinet	6	
Sink in counter, cabinet below	1	
Square Table, 900x900	1	
Concealed Floor Drain w/ waterless trap	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	2	
Outlet, 10A, 2P, 240V, duplex	14	grounding type, universal
Outlet, 10A, 2P, 240V, single	2	for emergency light
Outlet, telephone	1	
Outlet, DATA	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **STAFF OFFICE**	Reference Sheet Number: **ENG-RDS-09B**

TECHNICAL DESIGN DATA:

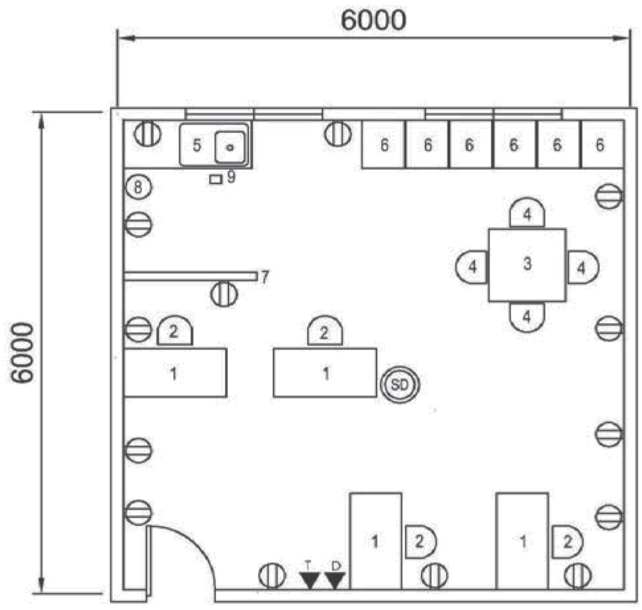
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% -99% @ 1 micron	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	2.4		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineering and maintenance staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2014	Department: ENGINEERING AND MAINTENANCE	Room Title: STAFF OFFICE	Reference Sheet Number: ENG-RDS-09C

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at sink
Drainage	required at floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
Internal glazing	ESSENTIAL: desirable: unnecessary

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1200
2. Clerical Chair
3. Square Table, 900x900
4. Dining Chair
5. Sink-in-counter, w/ drainboard, cabinets below
6. Steel Filing Cabinet
7. Low Partition, 1800mm high
8. Waste Bin
9. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **ENG-RDS-10A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Engineering staff/visitors hold meetings and/or special lectures.	Computer Waste Bin w/ black or colorless lining Airconditioning Unit Projector Sound System	1 1 1 1 1	
People Involved: 1 x Maintenance Supervisor Engineering staff Visitors	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
	Conference Chair Conference Table, 750x1800 Whiteboard Coffee Table/Cabinet, 900mm high, cabinets below	8 1 1 1	
Planning Relationships: a. Within the Engineering and Maintenance Building.	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Outlet, telephone Outlet, ACU Outlet, DATA Smoke Detector	2 11 2 1 1 1 1	 grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **CONFERENCE ROOM**	Reference Sheet Number: **ENG-RDS-10B**

TECHNICAL DESIGN DATA:

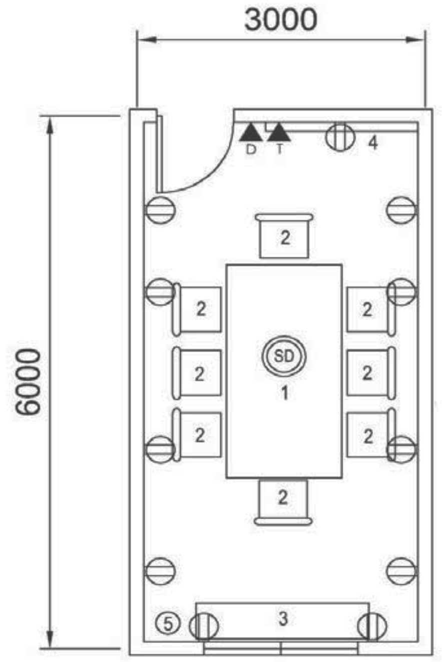
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500-700
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% -99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable; unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineering and maintenance staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: MAY 2014	Department: ENGINEERING AND MAINTENANCE	Room Title: CONFERENCE ROOM	Reference Sheet Number: ENG-RDS-10C

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	wheelchair access
Windows	clear, solar control/privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Conference Table, 750x1800
2. Conference Chair
3. Coffee Table/Cabinet, 900mm high, shelves below
4. Whiteboard
5. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **STAFF PANTRY**	Reference Sheet Number: **ENG-RDS-11A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Engineering Staff cook food for their meals. b. Staff store their uncooked and cooked /leftover food at the refrigerator. c. Engineering Staff eat their meals at the pantry. d. Staff do clean-up activities.	Refrigerator Two-burner electric stove Waste Bin Exhaust Fan Fire Extinguisher	1 1 1 1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
6 x Engineering Staff	Counter, 900mm high, cabinets below Counter, 900mm high, shelves below Wall-hung cabinets Sink in counter with drainboard Table, 800x1200 Chair, upright, stacking Concealed Floor Drain w/ waterless trap	1 1 6 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Engineering and Maintenance Building.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single	3 11 1	grounding type, universal for emergency light

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **STAFF PANTRY**	Reference Sheet Number: **ENG-RDS-11B**

TECHNICAL DESIGN DATA:

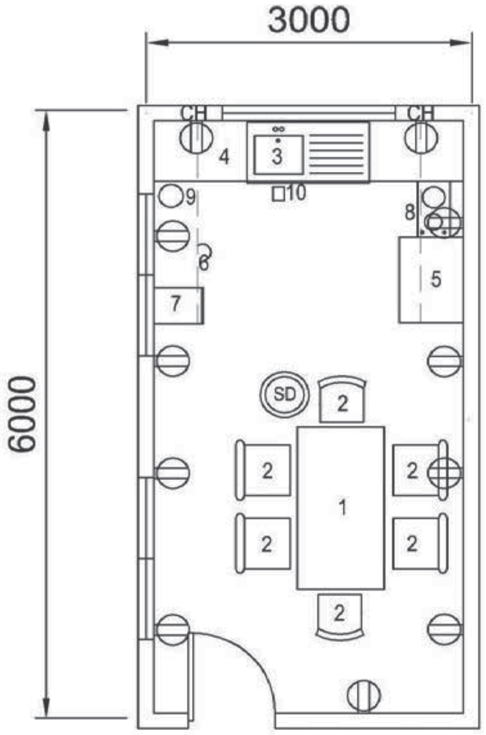
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	1.2		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineering and maintenance staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **PANTRY**	Reference Sheet Number: **ENG-RDS-11C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	required at sink
Drainage	required at sink and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: occasional: FREQUENT
Foot traffic	light: medium: HEAVY
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	wheelchair access door
Windows	clear, solar control, privacy
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Table, 800x1200
2. Chair, upright, stacking
3. Sink-in-counter w/ drainboard
4. Counter, 900mm high, cabinets below
5. Counter, 900mm high, shelves below
6. Wall-hung Cabinets
7. Refrigerator
8. Two-burner Electric Stove
9. Waste Bin
10. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

<table>
<tr><td>Hospital:
100-Bed (Level 2)</td><td colspan="2">ROOM DATA SHEET</td><td>Department of Health
HEALTH FACILITY DEVELOPMENT BUREAU</td></tr>
<tr><td>Updated Reference:
MAY 2014</td><td>Department:
ENGINEERING AND MAINTENANCE</td><td>Room Title:
MALE QUARTERS</td><td>Reference Sheet Number:
ENG-RDS-12A</td></tr>
</table>

FUNCTIONAL DESIGN REQUIREMENTS:

<table>
<tr><td>This activity space provides facilities needed for the following activities:</td><td>EQUIPMENT AND ACCESSORY CHECKLIST</td><td>QUANTITY</td><td>REMARKS</td></tr>
<tr><td rowspan="3">a. Maintenance Staff rests, sleeps and/ or store clothings and other personal belongings.

People Involved:

6 x Engineering Staff

Planning Relationships:

a. Within the Engineering and Maintenance Building.</td><td>Airconditioning Unit
Waste Bin w/ black lining</td><td>1
1</td><td></td></tr>
<tr><td>FURNITURE AND FIXTURE CHECKLIST
Bed with mattress
Night table
Closet
Chair, upright, stacking
Desk, 600x1200</td><td>QUANTITY
6
3
1
1
1</td><td>REMARKS
double deck</td></tr>
<tr><td>ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS
Window curtain rail
Outlet, 10A, 2P, 240V, duplex
Outlet, 10A, 2P, 240V, single
Smoke Detector</td><td>QUANTITY
2
10
3
1</td><td>REMARKS

grounding type, universal
for emergency light
</td></tr>
</table>

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **MALE QUARTERS**	Reference Sheet Number: **ENG-RDS-12B**

TECHNICAL DESIGN DATA:

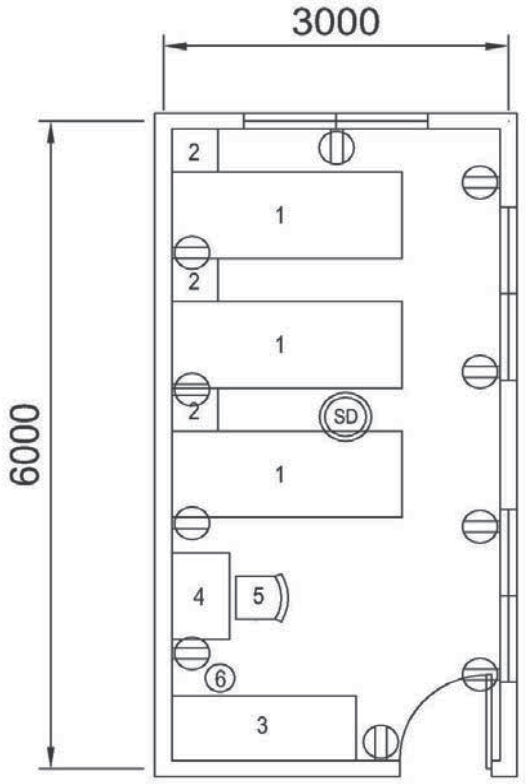
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (c.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineeering and maintenance staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health** **HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **MALE QUARTERS**	Reference Sheet Number: **ENG-RDS-12C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Bed w/ mattress
2. Night Table
3. Closet
4. Desk, 600x1200
5. Chair, upright, stacking
6. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **M/F TOILETS & BATHS & JANITOR'S CLOSET**	Reference Sheet Number: **ENG-RDS-13A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Engineering Staff to change clothes in the T & B. b. Engineering Staff to take a bath in the T & B. c. Engineering Staff to urinate and defacate.	Exhaust Fan Waste Bin w/ black or colorless lining	2 2	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
4 x Engineering Staff 1 x Janitor	Water closet w/ spray hose Lavatory Urinal Shower Enclosure Shelves, 400mm deep Floor Strainer	2 3 1 2 5	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Conference Room and Male Quarters.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	4 5 1 1	grounding type, universal emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **M/F TOILETS & BATHS**	Reference Sheet Number: **ENG-RDS-13B**

TECHNICAL DESIGN DATA:

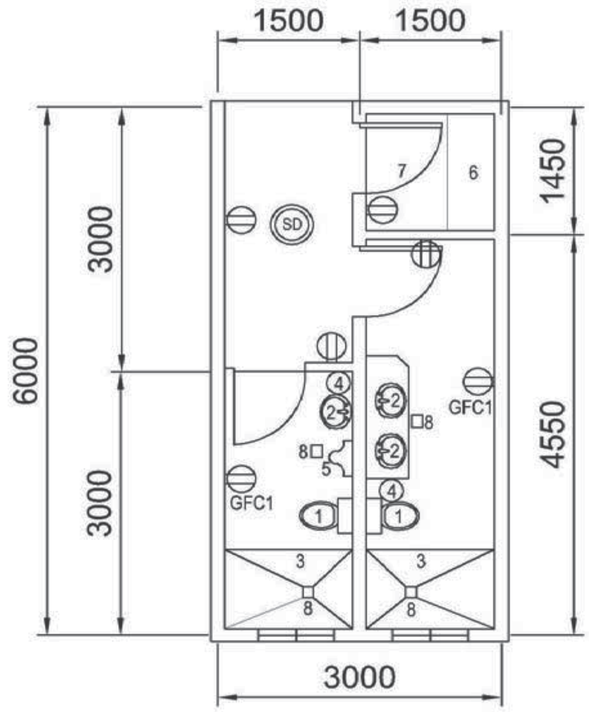
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineering and maintenance staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **M/F TOILETS & BATHS**	Reference Sheet Number: **ENG-RDS-13C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	required at plumbing fixtures
Drainage	required at plumbing fixtures & floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Water Closet
2. Lavatory
3. Shower Enclosure
4. Waste Bin
5. Urinal
6. Shelves, 600mm deep
7. Janitor's Closet
8. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **STORAGE ROOM**	Reference Sheet Number:

FUNCTIONAL DESIGN REQUIREMENTS:

ENG-RDS-14A

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of carpentry tools. b. Storage of equipment used in the maintenance of vehicles and facilities. c. Storage of spare parts for motor vehicles. d. Storage of supplies and equipment for plumbing, electrical, carpentry, welding, and painting works.	Fire Extinguisher Exhaust Fan	1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
Maintenance/Engineering Staff	Open shelving, 600mm deep Cabinets, 600mm deep Counter, 900mm high, cabinets below		
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Workshop (Biomed), Carpentry Workshop and Head Office.	Outlet, 10A, 2P, 240 V, duplex Outlet, 10A, 2P, 240V, single	2 1	grounding type universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **STORAGE ROOM**	Reference Sheet Number: **ENG-RDS-14B**

TECHNICAL DESIGN DATA:

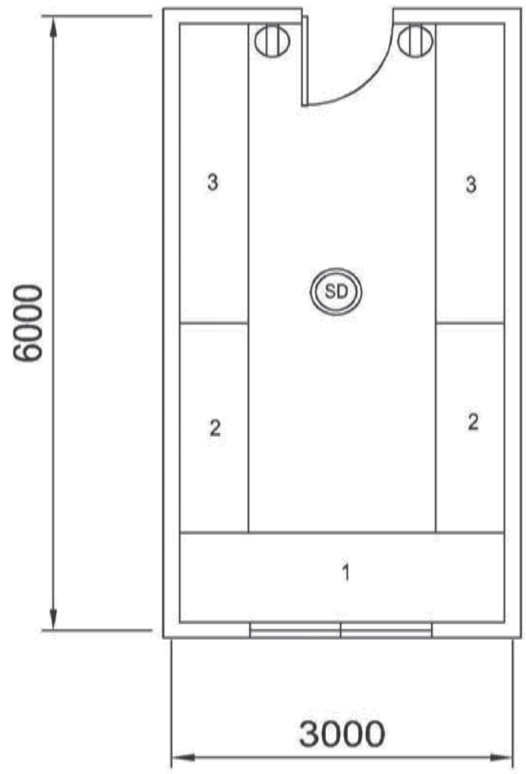
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	engineering and maintenance staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **ENGINEERING AND MAINTENANCE**	Room Title: **STORAGE ROOM**	Reference Sheet Number: **ENG-RDS-14C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Counter, 900mm high, **cabinet below**
2. Open Shelving, 600mm deep
3. Cabinets, 900mm high, cabinets below

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

VOLUME 3

STANDARD PLANS AND TECHNICAL REQUIREMENTS OF A 100-BED HOSPITAL (LEVEL 2)

3.10 SUPPORT SERVICE FACILITIES

3.10.1 LINEN AND LAUNDRY
3.10.2 PROPERTY AND SUPPLY
3.10.3 MORGUE
3.10.4 CENTRAL WASTE STORAGE

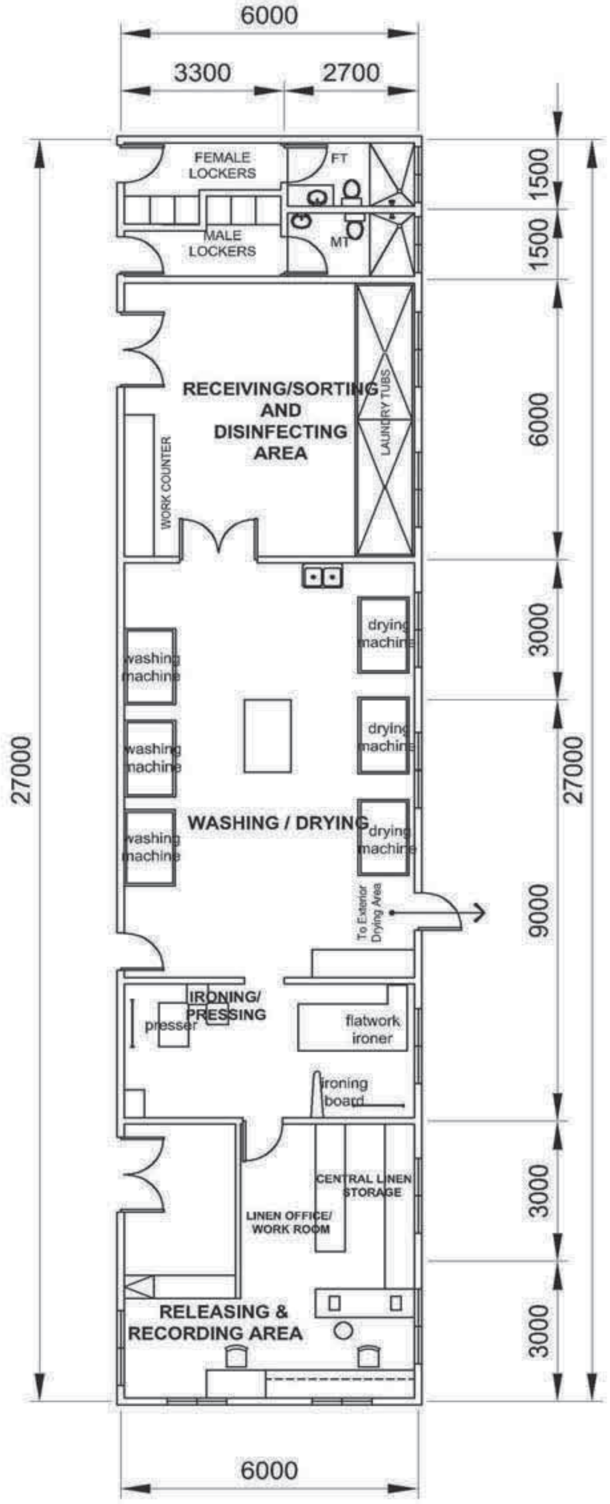
Second Edition
DEPARTMENT OF HEALTH
Manila
2015

Hospital: 100-Bed (Level 2)	SERVICE FACILITY SHEET INDEX	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Service Facility Title: **SUPPORT SERVICE FACILITY**	Reference Sheet Number: **SUP-SFSI-10**

ROOM TITLE	SPACE DEMAND (SQ. MTS.)	TOTAL AREA (SQ. MTS.)	REFERENCE SHEET NUMBER	PAGE
LINEN AND LAUNDRY		**162**		
RECEIVING/SORTING/DISINFECTION AREA	36		**SUP-RDS-01**	**645**
WASHING/DRYING AREA	54		**SUP-RDS-02**	**648**
PRESSING AND IRONING AREA	18		**SUP-RDS-03**	**651**
LINEN OFFICE, WORKROOM AND STORAGE	36		**SUP-RDS-04**	**654**
M/F TOILETS AND LOCKER ROOM	18		**SUP-RDS-05**	**657**
PROPERTY AND SUPPLY		**182.4**		
HEAD'S OFFICE	9		**SUP-RDS-06**	**661**
STAFF OFFICE	13.5		**SUP-RDS-07**	**664**
STAFF PANTRY	4.5		**SUP-RDS-08**	**667**
M/F TOILETS & BATHS, LOCKERS & JANITOR'S CLOSET	2.4		**SUP-RDS-09**	**670**
STORAGE/WAREHOUSE	153		**SUP-RDS-10**	**673**
MORGUE		**108**		
AUTOPSY ROOM	48		**SUP-RDS-11**	**677**
MORGUE	54		**SUP-RDS-12**	**680**
LOCKER ROOM AND TOILET & BATH	6		**SUP-RDS-13**	**683**
CENTRAL WASTE STORAGE		**60**		
WORK AREA	12		**SUP-RDS-14**	**687**
HAZARDOUS WASTE	12		**SUP-RDS-15**	**690**
MERCURY-CONTAINING DEVICES AND LAMPS	12		**SUP-RDS-16**	**693**
BIODEGRADABLES	12		**SUP-RDS-17**	**696**
NON-BIODEGRADABLES	12		**SUP-RDS-18**	**699**

Hospital: **100-Bed (Level 2)**	D E P A R T M E N T D A T A S H E E T	**Department of Health** **HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Reference Sheet Number: **SUP-DDS-01A**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **RECEIVING/SORTING /DISINFECTION AREA**	Reference Sheet Number: **SUP-RDS-01A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Laundry worker counts soiled linen with Nursing attendant and tally the number with the linen list.
b. Laundry worker inspects soiled linen and segregate those that need repair or those to be condemned, and linens to be washed.
c. Temporary transit area for soiled linen.
d. Soiled linen are sorted according to grouping system being adapted prior to washing.

People Involved:

3 x Laundry Workers

Planning Relationships:

a. Adjacent to washing area.
b. Close to linen office and work room.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Sorting bin , big	5	1 for condemned 1 for infectious 1 for slightly used -white 1 for heavily soiled-white 1 for slightly used -colored
Dirty linen trolley	3	
Basin, big	1	for soaking of heavily soiled colored linen

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Tiled washing trough	1	
Locker	3	for PPE

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240V, duplex	6	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Outlet, 10A, 2P, 240V, single	3	for exhaust fan and emergency light
Smoke detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **RECEIVING/SORTING /DISINFECTION AREA**	Reference Sheet Number: **SUP-RDS-01B**

TECHNICAL DESIGN DATA:

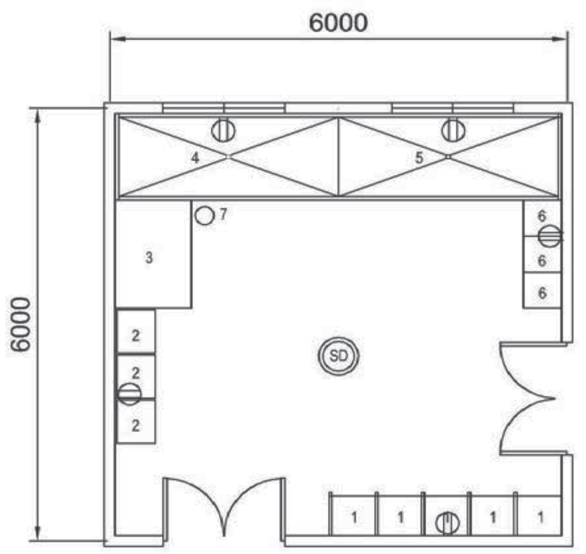
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250 - 500
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	linen and laundry staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **RECEIVING/SORTING/ DISINFECTION AREA**	Reference Sheet Number: **SUP-RDS-01C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A,E
Hot water	N/A
Cold water	required at washing trough
Drainage	required at washing trough and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	linen trolley access
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Sorting bins
2. Dirty linen trolley
3. Pre-sorting table
4. Basin, big
5. Tiled washing trough
6. Lockers
7. Adjustable stool

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **WASHING / DRYING AREA**	Reference Sheet Number: **SUP-RDS-02A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Linens are washed by Laundry Workers.	Washing machine	3	industrial
	Dryer	3	industrial
	Double compartment laundry tub	1	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved:	Shelvings with clear glass cover	1	with cover to keep from dust and insects
	Shakeout table	1	with sloping sides
	Supply storage cabinets	1	with clear glass & cover
3 x Laundry Workers	Concealed Floor drain w/ waterless trap	1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships:	Outlet, 10A, 2P, 240V, single	1	for emergency light
a. Adjacent to Sorting Area.	Equipment specific outlet	as required	preferably GFU
b. Adjacent to Pressing and Ironing Area.	Outlet, 10A, 240V, duplex	3	
c. Adjacent to Linen Office and Work Room.	Outlet, 15A, 240V, single	6	washing machine and dryer
	Heat detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **WASHING / DRYING AREA**	Reference Sheet Number: **SUP-RDS-02B**

TECHNICAL DESIGN DATA:

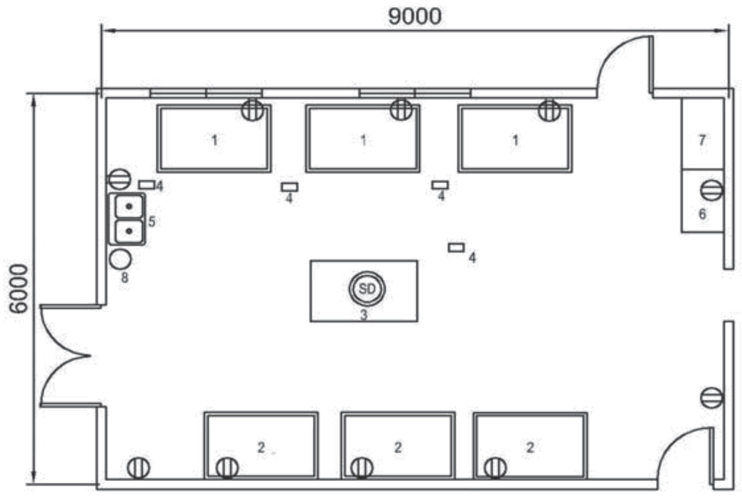
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound elvel (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	linen and laundry staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **WASHING / DRYING AREA**	Reference Sheet Number: **SUP-RDS-02C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A,E
Hot water	N/A
Cold water	required at laundry tubs & washer
Drainage	required at laundry tubs & washer & floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	slight: occasional: FREQUENT
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	equipment and trolley access
Windows	clear
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Washing Machine, industrial
2. Dryer, industrial
3. Shakeout table
4. Concealed Floor Drain
5. Double compartment laundry tub
6. Shelving w/ glass cover for storage of clean linen for future issuance
7. Supply storage cabinet
8. Adjustable stool

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **PRESSING AND IRONING AREA**	Reference Sheet Number: **SUP-RDS-03A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Laundry Worker inspects linen brought in from the drying area and segregates torn linen to be mended. b. Laundry Worker shakes out, presses and irons clean linen brought in from the drying area.	Mushroom press Press, 1300mm Ironing board Uniform rack Flatwork ironer, 2 roll, 2800mm or 3300mm Compressor Electric iron	1 1 1 2 1 1 1	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 3 x Laundry Workers	Table, 900x3050 Chair	1 2	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Close to Washing Area. b. Adjacent to Linen Office Work Room.	Outlet, 10A, 2P, 240V, single Equipment specific outlet Outlet, 15A, 2P, 240V, duplex Heat detector	2 as required 6 1	exhaust and emergency light preferably GFU universal

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **PRESSING AND IRONING AREA**	Reference Sheet Number: **SUP-RDS-03B**

TECHNICAL DESIGN DATA:

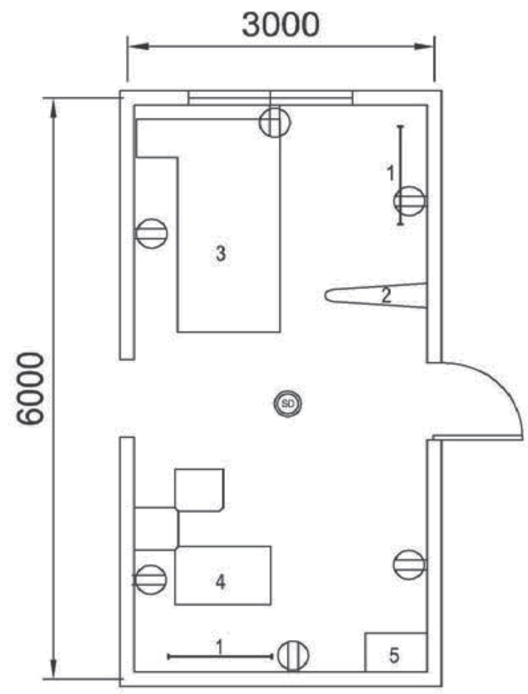
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	100
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	linen and laundry workers
		Fire risk	low: medium: HIGH
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **PRESSING AND IRONING**	Reference Sheet Number: **SUP-RDS-03C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	equipment and trolley access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Uniform rack
2. Ironing board
3. Flatwork Ironer, 2 roll, 2800mm or 3300mm
4. One 1300mm & two Mushroom Presses
5. Compressor

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **LINEN OFFICE, WORK ROOM AND STORAGE**	Reference Sheet Number: **SUP-RDS-04A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Laundry workers classify, count and record clean linen in the log book.
b. Linen room in-charge repairs or mends torn linen and records in the log book.
c. Head of unit receives linen issue slip and prepares linen items for issuance.
d. Laundry workers pack linen and deliver to wards.
e. Head of linen/laundry unit prepares forms for purchase of materials.
f. Linen unit receive materials and do the sewing of linen and other necesary preparations.
g. Head of linen/laundry unit prepares memo receipt to the head of unit and notifies the requisitioning unit when materials are ready.
h. Head of linen unit retrieves and stores original copies of forms in file and keeps an updated inventory of linens.
i. Marking and remarking of linen for tap sheet, marking of name of hospital and inventory number at the center.

People Involved:
1 x Laundry Unit Head
2 x Laundry Worker
2 x Seamstress

Planning Relationships:

a. Close to Receiving Area.
B. Adjacent to Central Linen Storage.
c. Close to Pressing and Ironing Areas

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Sewing Machine	1	
Marking Machine	1	
Trolley or pushcart	1	
Waste Bin w/ black lining	1	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Chair, upright, stacking	2	
Counter, 900mm high, w/ cabinets below		
Shelving with bins		
Desk, 750x1200	1	
Working table, 900x2100	1	
Adjustable stool	1	
Adjustable step ladder (aluminum)	1	
Linen closet w/ shelvings from top to floor length w/ clear glass cover	1	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Window curtain rail	4	
Outlet, DATA	1	wall mounted
Outlet, telephone	1	desktop
Outlet, 10A, 2P, 240V, duplex	11	grounding type, universal
Smoke detector	1	
Outlet, 10A, 2P, 240V, single	1	for emergency lights
Computer	1	for coverting, reports/changing of extra linen

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **LINEN OFFICE, WORK ROOM AND STORAGE**	Reference Sheet Number: **SUP-RDS-04B**

TECHNICAL DESIGN DATA:

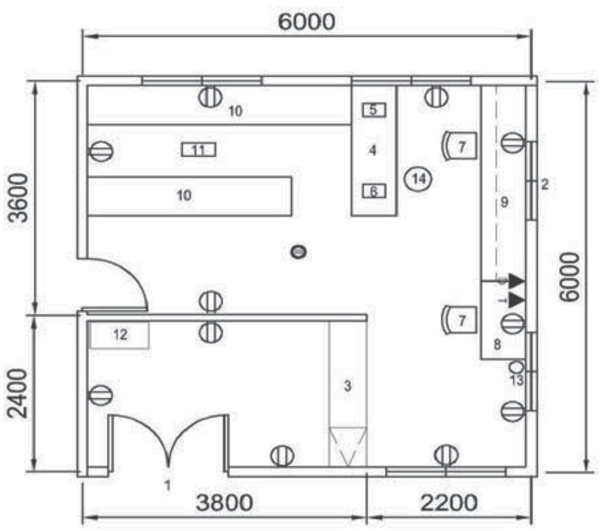
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	25 deg C	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	1000
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	linen and laundry staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **LINEN OFFICE, WORK ROOM AND STORAGE**	Reference Sheet Number: **SUP-RDS-04C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: MEDIUM: heavy
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	essentiak: DESIRABLE: unnecessary
Vibration free	essentiak: DESIRABLE: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	clear

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Double-leaf, double section door.
2. Pass-thru window
3. Counter, 900mm high, w/ cabinets below
4. Working table
5. Sewing machine
6. Marking machine
7. Chair, upright, stacking
8. Desk, 750x 1200
9. Shelving w/ bins
10. Linen closet w/ shelvings from top to floor length w/ clear glass cover
11. Adjustable step ladder, aluminum
12. Trolley or pushcart
13. Waste bin, foot control
14. Adjustable stool

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **M/F TOILETS & LOCKER ROOM**	Reference Sheet Number: **SUP-RDS-05A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Laundry Unit Employees to change from street clothes to work clothes and personal protective equipment (PPE) b. Laundry Unit Employees to perform personal hygiene activities. c. Use of toilet facilities. d. Laundry Unit Employees store clothing and personal effects in the Locker area.	Waste Bin w/ black lining	2	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: Laundry Unit Workers	Lockers, 500mm x 600mm Water Closet w/ spray hose Lavatory Urinal Floor Strainer	5 2 2 1 4	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Located within or adjacent to the Laundry Department near the Linen Office to keep the area always clean and dry.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	2 4 2 2	 for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **M/F TOILETS & LOCKER ROOM**	Reference Sheet Number: **SUP-RDS-05B**

TECHNICAL DESIGN DATA:

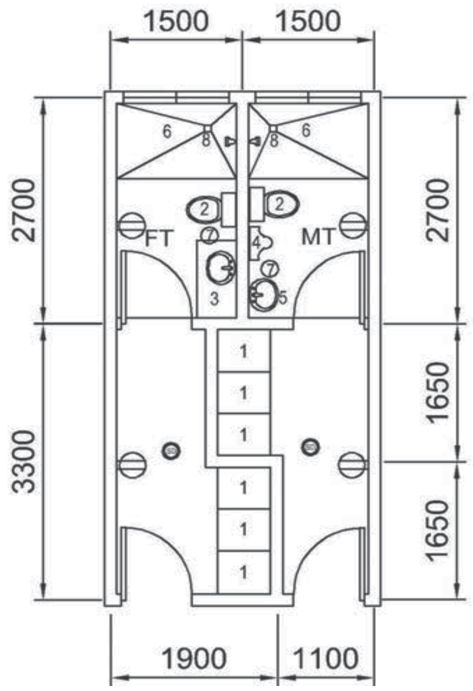
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential:		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	laundry unit workers
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **LINEN AND LAUNDRY**	Room Title: **M / F TOILETS & LOCKER ROOM**	Reference Sheet Number: **SUP-RDS-05C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at toilet & bath
Drainage	required at toilet fixtures & floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Loading	light: MEDIUM: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	essential: DESIRABLE: unnecessary
Vibration free	essential: DESIRABLE: unnecessary
Door set	ordinary access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Lockers, 500mmx600mm
2. Water closet
3. Lavatory in counter, open below
4. Urinal
5. Lavatory
6. Shower cubicle
7. Waste Bin
8. Floor Strainer

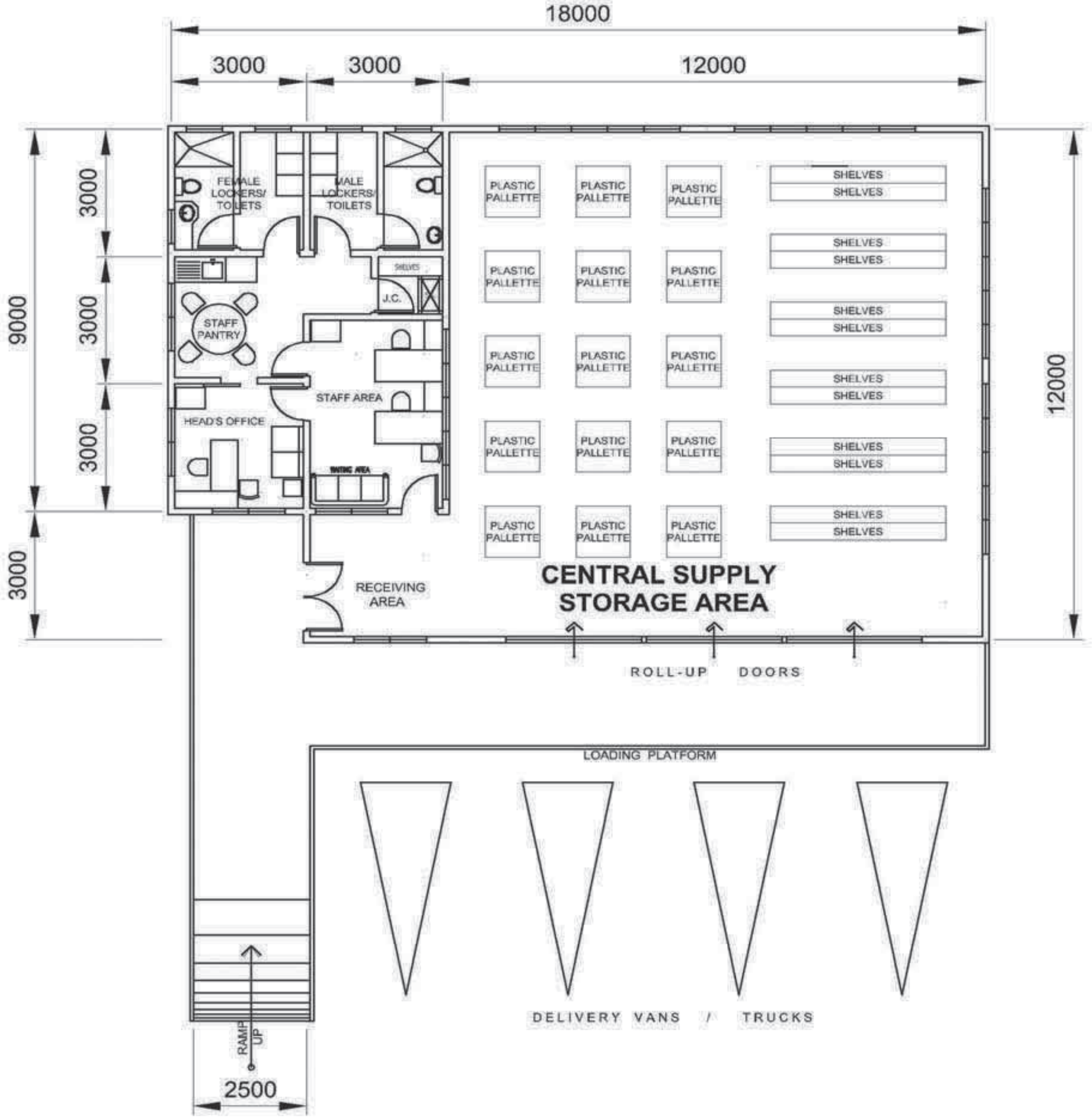
SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Reference Sheet Number: **SUP-DDS-01B**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **HEAD'S OFFICE**	Reference Sheet Number: **SUP-RDS-06A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Property Supply Officer makes requisition, inventory, distribution and control of tools, equipment, material and supplies for a department or division. b. PSO controls purchasing department budgets. c. PSO develops and implements purchasing and contract management instruuctions, policies and procedures. d. PSO receives vendors of materials, equipment or supplies and interviews them to determine product availability and terms of sales. e. Property Supply Officer analyzes market and delivery systems to assess present and future material availability.	Computer Calculator ACU Telephone Direct Line Telephone Local Line Waste Bin w/ black lining	1 1 1 1 1 1	w/ printer
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Property Supply Officer Visitors/Vendors	Desk, 750x1500 Desk Return (extension), 400x1500 2-Seater Sofa w/o arms, 700x1200 Side Table, 450x600 Steel Filing Cabinet, 500x600 Junior Executive Chair Visitor's Chair	1 1 1 1 1 1 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Close to Staff Office and Storage/Warehouse Area.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Outlet, telephone Outlet, DATA Smoke Detector	2 5 1 1 1 1	grounding type, universal slots for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **HEAD'S OFFICE**	Reference Sheet Number: **SUP-RDS-06B**

TECHNICAL DESIGN DATA:

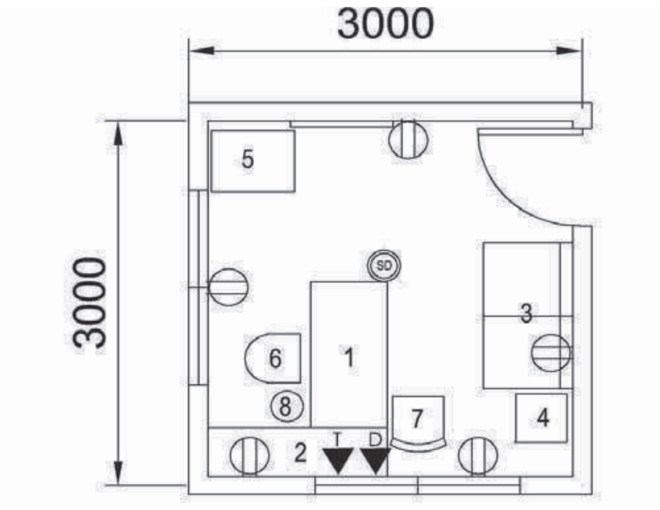
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% -99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.6		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	Property & Supply Officer and Vendors/Visitors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **HEAD'S OFFICE**	Reference Sheet Number: **SUP-RDS-06C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 750x1500
2. Desk Return (extension), 400x1500
3. 2-Seater Sofa w/o arms, 700x1200
4. Side Table, 400x600
5. Steel Filing Cabinet, 500x600
6. Junior Executive Chair, standard
7. Visitor's Chair, standard
8. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **STAFF OFFICE**	Reference Sheet Number: **SUP-RDS-07A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Staff reads, writes and uses computer in work station.	Computer	1	w/ internet access
b. Staff receives visitors/vendors.	Calculator	2	
c. Stores, files and retrieves records.	Xerox machine	1	
d. Staff assists the Property Supply Officer in locating vendors of materials, equipment and supplies.	Waste Bin w/ black lining	1	
e. Staff checks on delayed orders and expedite delivery.	Telephone Local line	1	
	Telephone Direct Line	1	
	ACU	1	
	Whiteboard	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
2 x Clerks	Desk, 600x1500	2	
Visitors/Vendors	Desk Return (extension), 400x900	2	
	3-Seater Sofa w/o arms, 750x1500	1	
	Clerical Chair, standard	2	
	Visitor's Chair	1	
	Steel Filing Cabinet, 500x600	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
	Window curtain rail	2	
a. Close to PSO's Office and Storage/Warehouse Area.	Outlet, 10A, 2P, 240V, duplex	7	grounding type, universal
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Outlet, telephone	1	
	Outlet, DATA	1	
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **STAFF OFFICE**	Reference Sheet Number: **SUP-RDS-07B**

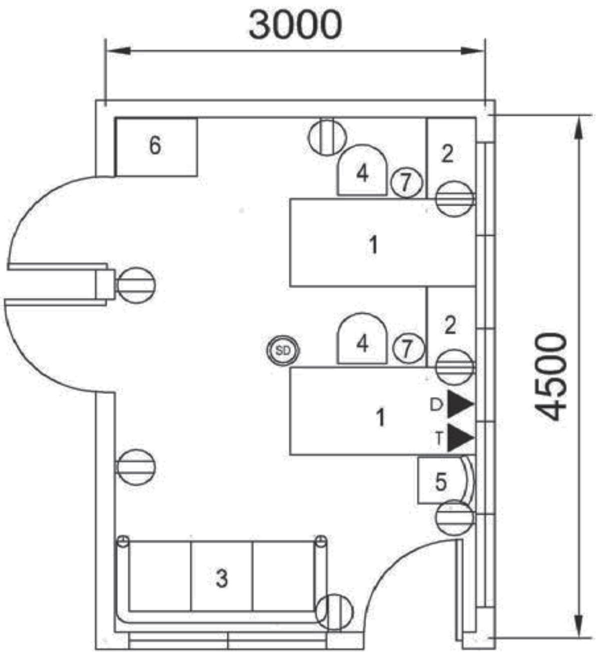
TECHNICAL DESIGN DATA:

ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	250-500
Room temperature (deg. C)	25	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	500
Volume (cu.m./hr.-person)	25	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	30	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	93% -99% @ 1 micron	Privacy	essential: DESIRABLE: unnecessary
Humidity (% RH)	50%	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	0.9		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	property and supply staff and visitors/vendors
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health** **HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **STAFF OFFICE**	Reference Sheet Number: **SUP-RDS-07C**

TECHNICAL DESIGN DATA:	
DIRECT SERVICES	**DESIGN DATA**
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	wheelchair access
Windows	clear, solar control
Internal glazing	ESSENTIAL: desirable: unnecessary

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Desk, 600x1500
2. Desk Return (extension), 400x900
3. 3-Seater Sofa w/o arms, 750x1500
4. Clerical Chair, standard
5. Visitor's Chair, standard
6. Steel Filing Cabinet, 500x600
7. Waste Bin

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **STAFF PANTRY**	Reference Sheet Number: **SUP-RDS-08A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	**EQUIPMENT AND ACCESSORY CHECKLIST**	**QUANTITY**	**REMARKS**
a. Property and Supply Staff eat their meals. b. Staff do clean-up activities.	Waste Bin w/ black lining Exhaust Fan Fire Extinguisher	1 1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
4 x Property and Supply Staff	Dining Table, 900 dia. Dining Chair, standard Sink-in-counter, w/ drainboard	1 4 1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Property and Supply Building.	Window curtain rail Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	1 7 1 1	 grounding type, universal for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **STAFF PANTRY**	Reference Sheet Number: **SUP-RDS-08B**

TECHNICAL DESIGN DATA:

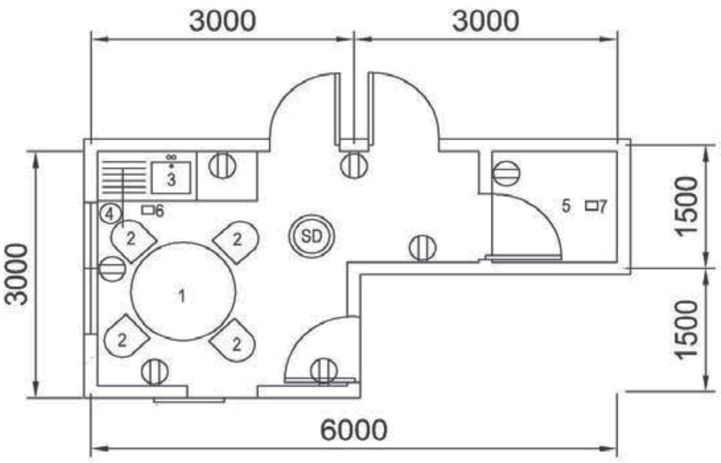
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	essential: DESIRABLE: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: DESIRABLE: unnecessary
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	property and supply staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **STAFF PANTRY**	Reference Sheet Number: **SUP-RDS-08C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	required at sink
Drainage	required at floor drains
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL: frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	essential: desirable: UNNECESSARY
Door set	wheelchair access door
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Dining Table, 900 dia.
2. Dining Chair, standard
3. Sink-in-counter, w/ drainboard
4. Waste Bin
5. Janitor's Closet
6. Concealed Floor Drain
7. Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **M/F TOILETS & BATHS, LOCKERS & JANITOR'S CLOSET**	Reference Sheet Number: **SUP-RDS-09A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Property and Supply Staff to change clothes in the T & B. b. Property and Supply Staff to store clothings and other personal belongings. c. Property and Supply Staff to take a bath in the T & B. d. Property and Supply Staff to urinate and defacate. e. Janitor to store cleaning supplies and tools.	Exhaust Fan Waste Bin w/ black lining	2 2	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
4 x Property and Supply Staff 1 x Janitor	Water closet w/ spray hose Lavatory Urinal Shower Set Shelves, 400mm deep Slop Sink Lockers, 500x600 Floor Strainer	2 2 1 2 1 6 5	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to staff pantry. b. Close to Head and Staff Offices.	Window curtain rail Outlet, 10A, 2P, 240V, single Outlet, 10A, 2P, 240V, duplex Smoke Detector	4 2 9 2	for emergency light universal grounding type universal

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **M/F TOILETS & BATHS, LOCKERS & JANITOR'S CLOSET**	Reference Sheet Number: **SUP-RDS-09B**

TECHNICAL DESIGN DATA:

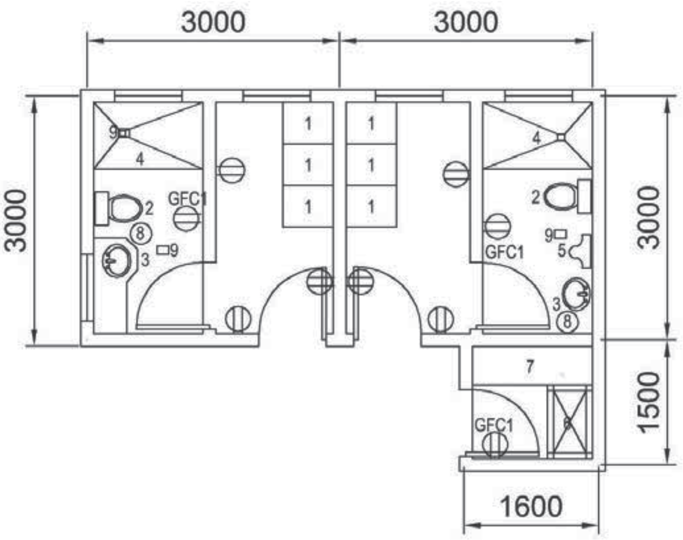
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. M./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./hr.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	N/A	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	property and supply staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: **100-Bed (Level 2)**	**ROOM DATA SHEET**		**Department of Health** **HEALTH FACILITY DEVELOPMENT BUREAU**
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **M / F TOILETS & BATHS, LOCKERS & JANITOR'S CLOSET**	Reference Sheet Number: **SUP-RDS-09C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures & floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Lockers, 500x600
2. Water Closet w/ spray hose
3. Lavatory
4. Shower Enclosure
5. Urinal
6. Slop Sink w/ floor strainer
7. Shelves, 600mm deep
8. Waste Bin
9. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **STORAGE/WAREHOUSE**	Reference Sheet Number: **SUP-RDS-10A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:

a. Storage of tools, equipment, instruments, materials and other supplies needed by the different departments of the hospital.

People Involved:

Property and Supply Staff

Planning Relationships:

a. With a good view from the Staff and Head's Offices.
b. With direct access from the service road for easier delivery/loading and distribution of supplies and equipment.

EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
Fire Extinguisher	4	
Exhaust Fan	4	

FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
Plastic Palettes	15	
Shelving, adjustable, rail-mounted	12	

ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
Outlet, 10A, 2P, 240 V, duplex	12	grounding type, universal
Outlet, 10A, 2P, 240V, single	1	for emergency light
Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **STORAGE/WAREHOUSE**	Reference Sheet Number: **SUP-RDS-10B**

TECHNICAL DESIGN DATA:

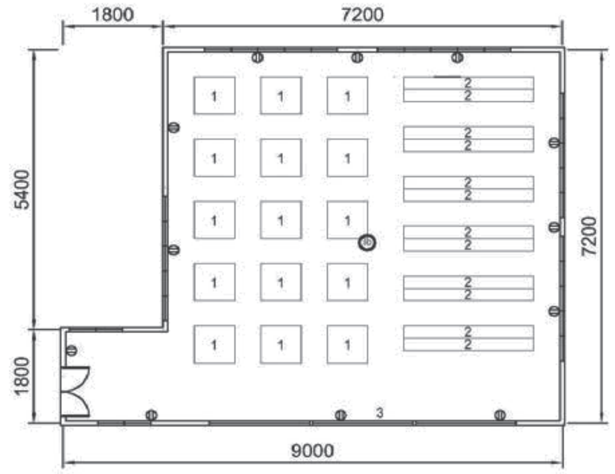
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	atmospheric	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu. M./hr.-person)	35	Colour rendering	essential: DESIRABLE: unnecessary
Velocity (m./hr.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	property and supply staff
		Fire risk	low: MEDIUM: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **PROPERTY AND SUPPLY**	Room Title: **STORAGE/WAREHOUSE**	Reference Sheet Number: **SUP-RDS-10C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	double-leaf ordinary and aluminum roll-up
Windows	clear, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Plastic Palettes
2. Shelving, adjustable, rail-mounted
3. Aluminum Roll-Up Door

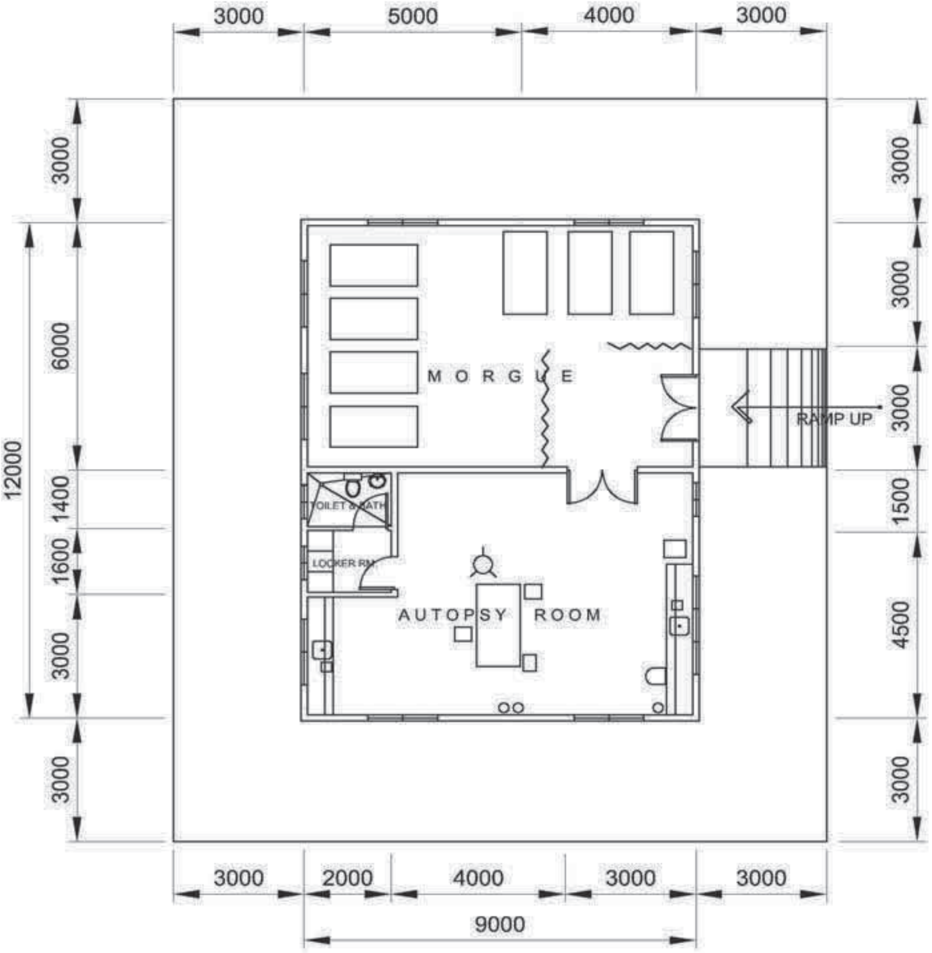
SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MORGUE**	Reference Sheet Number: **SUP-DDS-01C**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MORGUE**	Room Title: **AUTOPSY ROOM**	Reference Sheet Number: **SUP-RDS-11A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Pathologist performs autopsy procedure on dead patients.	Scale	1	
	Instrument sterilizer on stand	1	
	Autopsy table with sink	1	
	Mayo table	1	
	Hook strip	1	
	Waste Bin	2	
	Suction apparatus	1	
	Waste Bin	1	
	Kick bucket	1	
		1	

People Involved:	FURNITURE AND FIXTURE CHECKLIST	QUANTITY	REMARKS
1 x Pathologist	Tiled counter, 900mm high, cabinet below		
1 x Medical Technologist	Overhead shelves and cabinets		
	Footstool	1	
	Adjustable stool	1	
	Combination instrument and scrub sink w/ gooseneck spout and spray and foot control, sensor type	2	
	Concealed Floor Drain w/ waterless trap	2	

Planning Relationships:	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	QUANTITY	REMARKS
a. Close to Ante Room/Lobby.	Window curtain rail	2	
b. Adjacent to Locker Room and Toilet.	Outlet, 10A, 2P, 240V, duplex	9	grounding type, universal slots
c. Adjacent to Morgue.	Outlet, 15A, 2P, 240V, duplex	1	suction apparatus
	Outlet, 10A, 2P, 240V, single	1	emergency light
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MORGUE**	Room Title: **AUTOPSY ROOM**	Reference Sheet Number: **SUP-RDS-11B**

TECHNICAL DESIGN DATA:

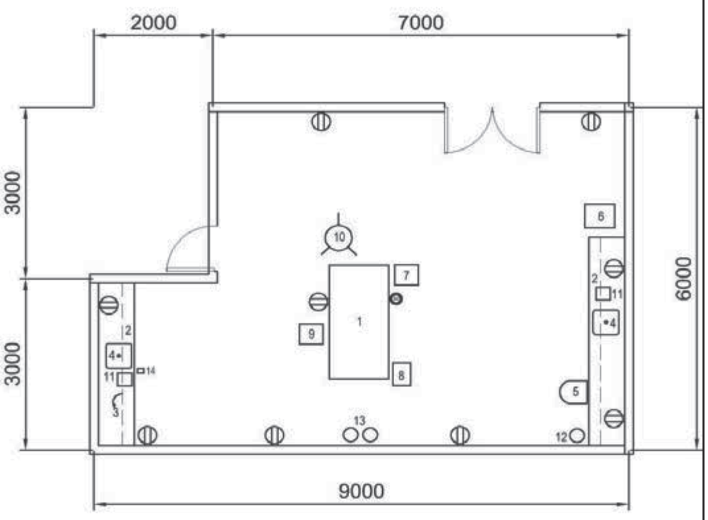
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	10,000
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Presure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	ESSENTIAL: desirable: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	at sink
		Maximum temperature (deg. C)	70
		Access limit	morgue staff
		Fire risk	LOW: medium: high
		Other risks	exposure to hazardous chemicals

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MORGUE**	Room Title: **AUTOPSY ROOM**	Reference Sheet Number: **SUP-RDS-11C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C, E
Hot water	required at sink
Cold water	required at sink and autopsy table
Drainage	required at sink, autopsy table and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	slight: OCCASIONAL:frequent
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clear, solar control, privacy
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Autopsy Table with sink
2. Tiled Counter, 900mm high
3. Overhead Shelves and Cabinets
4. Combination instrument and scrub sink w/ gooseneck spout and spray and foot control, sensor type
5. Adjustable Stool
6. Instrument Sterilizer on stand
7. Mayo Table
8. Footstool
9. Suction Apparatus
10. Kick Bucket
11. Scale
12. Waste Bin, infectious
13. Sanitary Bin, pathological
14. Concealed Floor Drain

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MORGUE**	Room Title: **MORGUE**	Reference Sheet Number: **SUP-RDS-12A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of dead bodies awaiting claim by relatives.	Mortuary Refrigerator	7	
	Foldable Partition	2	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved:			
1 x Pathologist			
1 x Medical Technologist			
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Adjacent to Autopsy Room.	Smoke Detector	1	
	Outlet, 10A, 2P, 240V, duplex	14	grounding type, universal slots
	Outlet, 10A, 2P, 240V, single	2	for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MORGUE**	Room Title: **MORGUE**	Reference Sheet Number: **SUP-RDS-12B**

TECHNICAL DESIGN DATA:

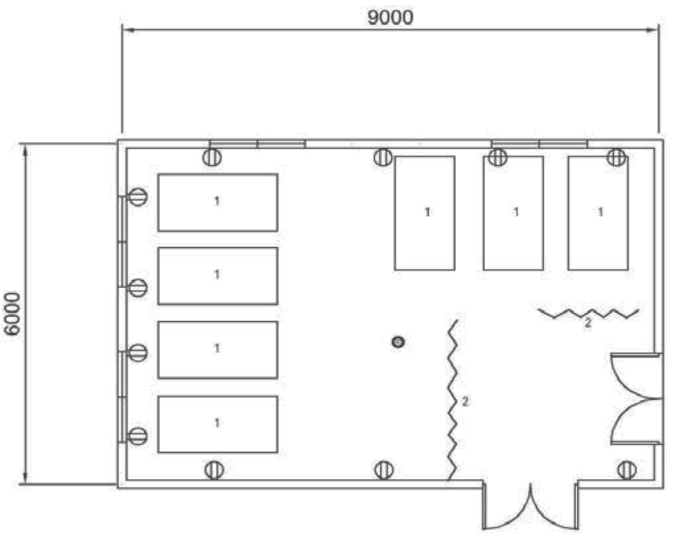
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	500
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	ESSENTIAL: desirable: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Presure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	50	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	morgue staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MORGUE**	Room Title: **MORGUE**	Reference Sheet Number: **SUP-RDS-12C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	SLIGHT: occasional: frequent
Foot traffic	LIGHT: medium: heavy
Wheel traffic	LIGHT: medium: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	foldable partition
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Mortuary Refrigerator
2. Foldable Partition

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum Space Required/Component

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MORGUE**	Room Title: **LOCKER ROOM AND TOILET & BATH**	Reference Sheet Number: **SUP-RDS-13A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	**EQUIPMENT AND ACCESSORY CHECKLIST**	**QUANTITY**	**REMARKS**
a. Mortuary Staff change clothes in Locker Room. b. Mortuary Staff to bathe in the Shower Area. c. Storing of clothing and personal effects.	Waste Bin w/ black lining	1	
	FURNITURE AND FIXTURE CHECKLIST	**QUANTITY**	**REMARKS**
People Involved: 1 x Morgue Technician 1 x Pathologist 1 x Medical Technologist	Locker, 500x600 Water closet w/ spray hose Lavatory Shower Set Faucet	3 1 1 1 1	
	ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS	**QUANTITY**	**REMARKS**
Planning Relationships: a. Adjacent to Autopsy Room.	Window curtain railindow Outlet, 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240, single Smoke Detector	2 3 1 1	 grounding type, universal slots emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MORGUE**	Room Title: **LOCKER ROOM AND TOILET & BATH**	Reference Sheet Number: **SUP-RDS-13B**

TECHNICAL DESIGN DATA:

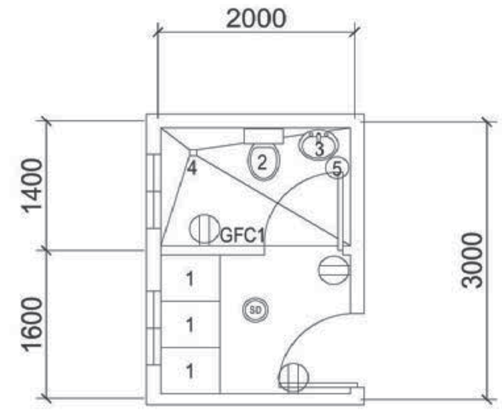
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: DESIRABLE: unnecessary
Pressure Differential :		Emergency light	ESSENTIAL: desirable: unnecessary
Negative Presure (Pa)	N/A	Daylight	essential: desirable: UNNECESSARY
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	ESSENTIAL: desirable: unnecessary
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	60	Accessible hot surface:	N/A
Speech privacy	essential: DESIRABLE: unnecessary	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	morgue staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **MORGUE**	Room Title: **LOCKER ROOM AND TOILET & BATH**	Reference Sheet Number: **SUP-RDS-13C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: G
Hot water	N/A
Cold water	required at toilet fixtures
Drainage	required at toilet fixtures and floor
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	LIGHT: medium: heavy
Wheel traffic	N/A
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	ordinary access door
Windows	clesr, solar control
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Locker, 500x600
2. Water Closet w/ spray hose
3. Lavatory
4. Shower
5. Waste Bin

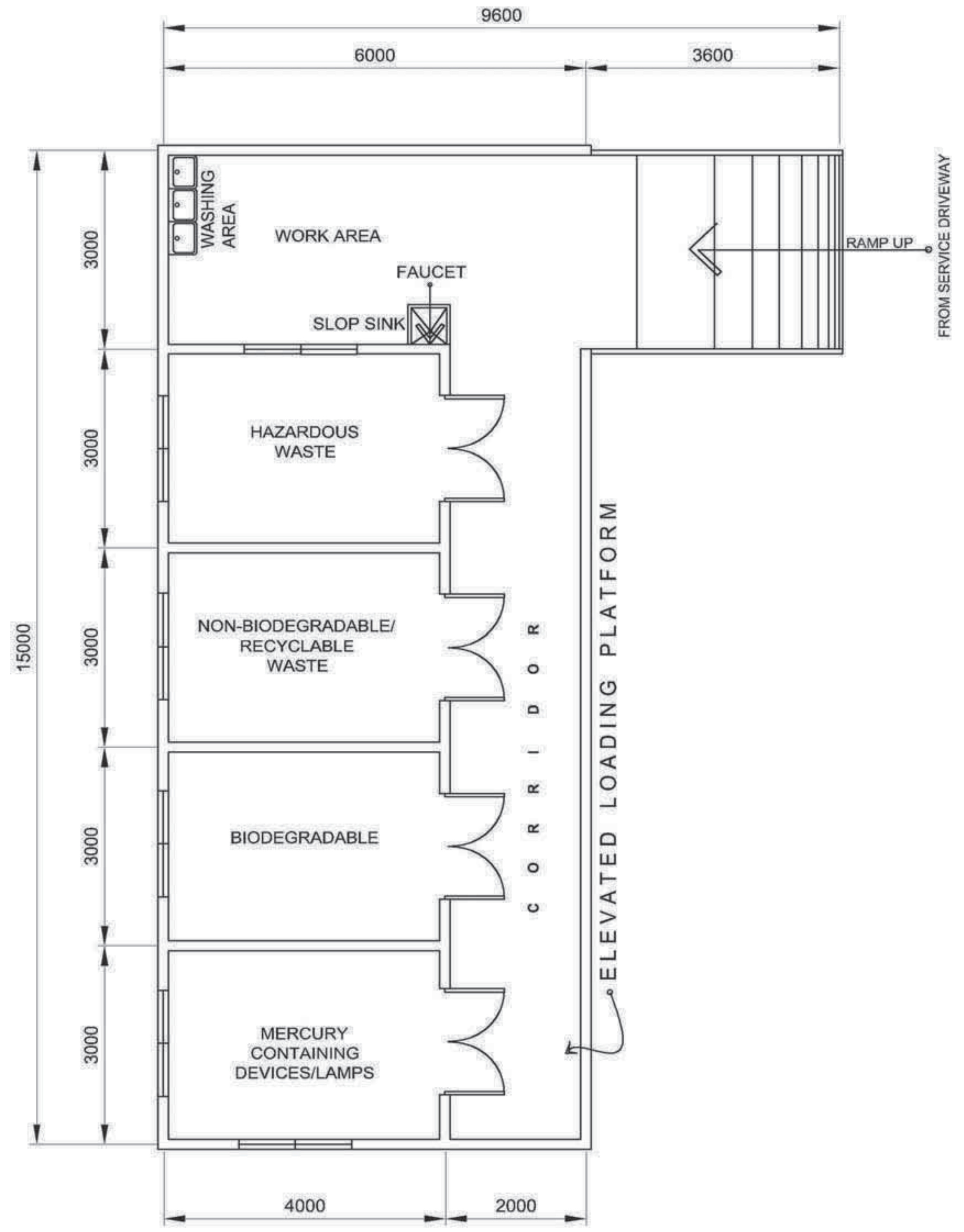
SPACE DEMANDS (Total Minimum Space Required in sq. m.): 6.00

Space Components	Minimum Space Required/Component
Locker Room	3.20 sq.m.
Toilet and Bath	2.80 sq.m.

REGULATIONS AND NOTES:

Hospital: 100-Bed (Level 2)	DEPARTMENT DATA SHEET	Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL WASTE STORAGE**	Reference Sheet Number: **SUP-DDS-01D**

LAYOUT PER DEPARTMENT SHOWING ROOMS AND SPACE COMPONENTS:



Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL WASTE STORAGE**	Room Title: **WORK AREA**	Reference Sheet Number: **SUP-RDS-14A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Janitor places the waste bin carts/trolleys.	Waste Trolleys	3	
b. Janitor stores the cleaning tools, supplies and PPEs.	Waste Bins	3	
c. Janitor cleans/washes the waste bins and trolleys.	Fire Extinguisher	1	
d. Janitor weighs the volume of wastes.	Weighing Scale	1	
e. Janitor records the volume of wastes.	High Pressure Washer	1	
f. Janitor washes his/her hands.			
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
4 x Janitor	Shelves 400 x 2000	1	
	Floor Strainer	1	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Central Waste Storage Facility.	Outlet 10A, 2P, 240V, duplex	4	grounding type universal slots
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL WASTE STORAGE**	Room Title: **WORK AREA**	Reference Sheet Number: **SUP-RDS-14B**

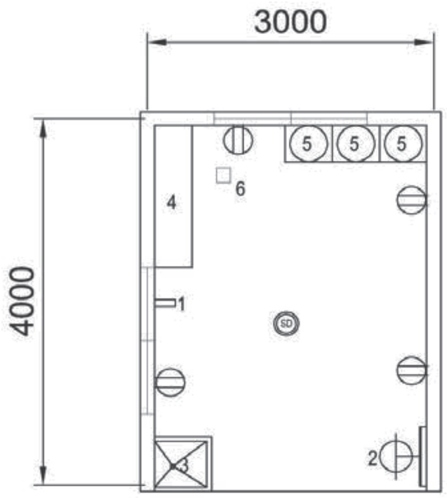
TECHNICAL DESIGN DATA:			
ENVIRONMENTAL CONDITIONS	**DESIGN DATA**	**ENVIRONMENTAL CONDITIONS**	**DESIGN DATA**
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	waste management staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL WASTE STORAGE**	Room Title: **WORK AREA**	Reference Sheet Number: **SUP-RDS-14C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C, D, E, F, G
Hot water	N/A
Cold water	required at sink
Drainage	required at sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: medium: HEAVY
Spillage	slight: occasional: HEAVY
Foot traffic	LIGHT: medium: heavy
Wheel traffic	light: medium: HEAVY
Impacts	Health and Environmental Impacts
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	rolling trolleys access
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Fire Extinguisher
2. Weighing Scale
3. High Pressure Washer
4. Shelves 400 x 2000
5. Waste Bins/Carts/Trolleys
6. Floor Strainer

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:
Refer to the DOH Manual on Healthcare Waste Management 3rd Edition : A - Infectious, B - Sharps, C- Pathological/Anatomical, D - Pharmaceutical, E- Chemical, F- Radioactive, G- General Waste
Refer to RA 9003 - "Ecological Solid Waste Management Act" Refer to RA 6969 - "Toxic and Hazardous Substances and Nuclear Waste Act"

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL WASTE STORAGE**	Room Title: **HAZARDOUS WASTE**	Reference Sheet Number: **SUP-RDS-15A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of the following hazardous waste before treatment: 1. Infectious 2. Sharps 3. Chemical 4. Pharmaceutical 5. Pathological/Anatomical	Yellow Waste Bins Exhaust Fan Refrigerator Optional for pathological waste not collected within 24 hours	5 1 1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Janitor			
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Central Healthcare Waste Storage Facility.	Outlet 10A, 2P, 240V, duplex Outlet, 10A, 2P, 240V, single Smoke Detector	5 1 1	grounding type universal slot for emergency light

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL WASTE STORAGE**	Room Title: **HAZARDOUS WASTE**	Reference Sheet Number: **SUP-RDS-15B**

TECHNICAL DESIGN DATA:

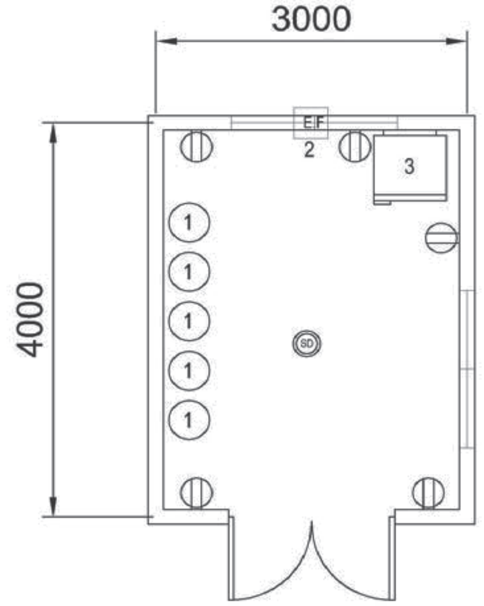
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	waste management staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL HEALTHCARE WASTE STORAGE**	Room Title: **HAZARDOUS WASTE**	Reference Sheet Number: **SUP-RDS-15C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: A, B, C, D, E
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	rolling container, drum, handcart access
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1. Yellow Waste Bin
2. Exhaust Fan
3. Refrigerator

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:
Refer to RA 9003 - " Ecological Waste Management Act"
Refer to RA 6969 - " Toxic and Hazardous Substances and Nuclear Wastes Act "

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL HEALTHCARE WASTE STORAGE**	Room Title: **MERCURY CONTAINING DEVICES/LAMPS**	Reference Sheet Number: **SUP-RDS-16A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of mercury containing devices/lamps before being hauled by the DENR accredited TSD.	Exhaust Fan	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
2 x Janitor	Cabinets	2	
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Central Healthcare Waste Storage Area.	Outlet, 10A, 2P, 240V, duplex	4	grounding type, universal slots
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL HEALTHCARE WASTE STORAGE**	Room Title: **MERCURY CONTAINING DEVICES/LAMPS**	Reference Sheet Number: **SUP-RDS-16B**

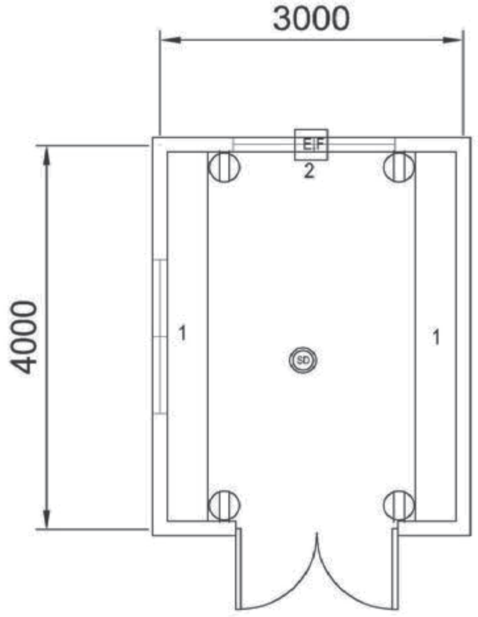
TECHNICAL DESIGN DATA:			
ENVIRONMENTAL CONDITIONS	**DESIGN DATA**	**ENVIRONMENTAL CONDITIONS**	**DESIGN DATA**
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	Tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	waste management staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL HEALTHCARE WASTE STORAGE**	Room Title: **MERCURY CONTAINING DEVICES/LAMPS**	Reference Sheet Number: **SUP-RDS-16C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste type: mercury
Hot water	
Cold water	required at sink
Drainage	required at sink
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	light: medium: HEAVY
Spillage	slight: occasional: HEAVY
Foot traffic	LIGHT: medium: heavy
Wheel traffic	HEAVY
Impacts	Health and Environmental Impacts
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	rolling trolleys access
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key

1.Cabinets
2. Exhaust Fan

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:
Refer to Administrative Order No. 2008-0021, dated July 30, 2008, Subject: Gradual Phase Out of Mercury in all Philippine Health Care Facilities and Institutions.

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL WASTE STORAGE**	Room Title: **BIODEGRADABLE**	Reference Sheet Number: **SUP-RDS-17A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of biodegradable waste before being picked-up by the local waste transporter.	Waste Bin w/ green lining	3	biodegradable
	Exhaust Fan	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Janitor			
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Central Healthcare Waste Storage.	Outlet, 10A, 2P, 240V, duplex	4	grounding type universal slots
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL HEALTHCARE WASTE STORAGE**	Room Title: **BIODEGRADABLE**	Reference Sheet Number: **SUP-RDS-17B**

TECHNICAL DESIGN DATA:

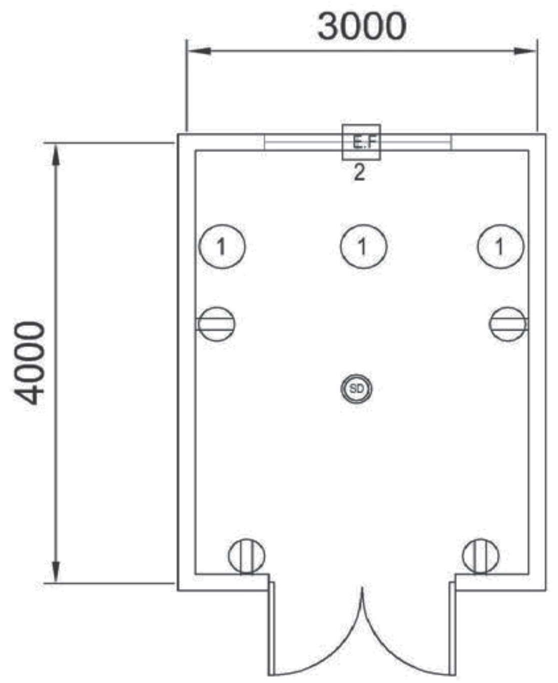
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential :		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	waste management staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL HEALTHCARE WASTE STORAGE**	Room Title: **BIODEGRADABLE**	Reference Sheet Number: **SUP-RDS-17C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	rolling container, drum, handcart access
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Waste Bin w/ green lining
2. Exhaust Fan

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space components	Minimum space required/component

REGULATIONS AND NOTES:
Refer to RA 9003 - " Ecological Waste Management Act "
Refer to RA 6969 - " Toxic and Hazardous Substances and Nuclear Wastes Act "

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL HEALTHCARE WASTE STORAGE**	Room Title: **NON-BIODEGRADABLE/ RECYCLABLE WASTE**	Reference Sheet Number: **SUP-RDS-18A**

FUNCTIONAL DESIGN REQUIREMENTS:

This activity space provides facilities needed for the following activities:	EQUIPMENT AND ACCESSORY CHECKLIST	QUANTITY	REMARKS
a. Storage of non-biodegradable/recyclable wastes before being sold to junkshop or before being subject for recycling.	Waste Bins w/ black or colorless lining	3	non-biodegradable
	Exhaust Fan	1	
People Involved:	**FURNITURE AND FIXTURE CHECKLIST**	**QUANTITY**	**REMARKS**
1 x Janitor			
Planning Relationships:	**ADDITIONAL EQUIPMENT AND ENGINEERING TERMINALS**	**QUANTITY**	**REMARKS**
a. Within the Central Healthcare Waste Storage Area.	Outlet, 10A, 2P, 240V, duplex	4	
	Outlet, 10A, 2P, 240V, single	1	for emergency light
	Smoke Detector	1	

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL WASTE STORAGE**	Room Title: **NON-BIODEGRADABLE/ RECYCLABLE WASTE**	Reference Sheet Number: **SUP-RDS-18B**

TECHNICAL DESIGN DATA:

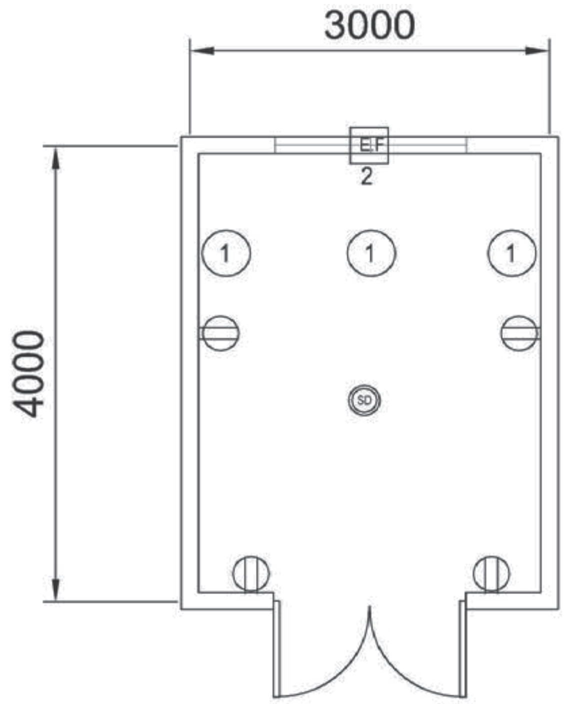
ENVIRONMENTAL CONDITIONS	DESIGN DATA	ENVIRONMENTAL CONDITIONS	DESIGN DATA
AIR		**LIGHTING AND VISUAL**	
Outdoor air temperature (deg. C)	ave. local station temp. reading	General illumination (LUX)	150
Room temperature (deg. C)	ambient	Night illumination (LUX)	N/A
Mechanical ventilation:		Task illumination (LUX)	N/A
Volume (cu.m./hr.-person)	35	Colour rendering	essential: desirable: UNNECESSARY
Velocity (m./min.)	45	Standby light	essential: desirable: UNNECESSARY
Pressure Differential		Emergency light	essential: desirable: UNNECESSARY
Negative Pressure (Pa)	N/A	Daylight	essential: DESIRABLE: unnecessary
Positive Pressure (Pa)	N/A	View out	essential: desirable: UNNECESSARY
% Dust filtration	N/A	Privacy	essential: desirable: UNNECESSARY
Humidity (% RH)	N/A	Black out	essential: desirable: UNNECESSARY
Cooling load (TR)	N/A		
SOUND		**SAFETY**	
Acceptable sound level (db)	70	Accessible hot surface:	N/A
Speech privacy	essential: desirable: UNNECESSARY	Maximum temperature (deg. C)	N/A
Quality which cannot be tolerated	tonal impact	Domestic hot water:	N/A
		Maximum temperature (deg. C)	N/A
		Access limit	waste management staff
		Fire risk	LOW: medium: high
		Other risks	N/A

Hospital: 100-Bed (Level 2)	ROOM DATA SHEET		Department of Health HEALTH FACILITY DEVELOPMENT BUREAU
Updated Reference: **MAY 2014**	Department: **CENTRAL HEALTHCARE WASTE STORAGE**	Room Title: **NON-BIODEGRADABLE /RECYCLABLE WASTE**	Reference Sheet Number: **SUP-RDS-18C**

TECHNICAL DESIGN DATA:

DIRECT SERVICES	DESIGN DATA
Disposal	hospital solid waste Type: G
Hot water	N/A
Cold water	N/A
Drainage	N/A
Gas	N/A
Compressed air	N/A
Steam	N/A
Others	
DIRECT DEMANDS ON FLOOR AND WALL	
Loading	N/A
Spillage	N/A
Foot traffic	light: MEDIUM: heavy
Wheel traffic	light: MEDIUM: heavy
Impacts	N/A
Abrasion	N/A
Easy maintenance	ESSENTIAL: desirable: unnecessary
Vibration free	ESSENTIAL: desirable: unnecessary
Door set	rolling container, drum, handcart access
Windows	nil
Internal glazing	nil

LAYOUT OF ROOM AND SPACE COMPONENTS



Key:

1. Waste Bin w/ black lining
2. Exhaust Fan

SPACE DEMANDS (Total Minimum Space Required in sq. m.)

Space Components	Minimum space required/component

REGULATIONS AND NOTES:
Refer to RA 9003 - " Ecological Waste Management Act "
Refer to RA 6969 - " Toxic and Hazardous Substances and Nuclear Wastes Act "

MANUAL ON TECHNICAL GUIDELINES FOR HOSPITAL PLANNING AND DESIGN 100-BED HOSPITAL (LEVEL 2)

VOLUME 4

APPENDICES

Second Edition
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APPENDICES

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APPENDIX A

EXISTING HOSPITALS

The devolution of health services to local government units (LGUs), brought about by the Local Government Code of 1991, transferred among others, the provision, management and maintenance of government health facilities (provincial hospitals, district and municipal hospitals, RHUs, BHS) at different levels of LGUs. Currently, the total number of hospitals is 729 of various types such as special, specialty, medical centers, regional, provincial, district, municipal and medicare community hospitals totaling 49,538 hospital beds. Majority of these existing hospitals are in Region 4-A (CALABARZON) but the total number of the beds are concentrated in the National Capital Region/Metro Manila area. However, private hospitals make up for this inequity of health resource distribution with 1,202 hospitals, functional and provided with the latest medical equipment, totaling about 43,645 beds scattered all over the country.

(sources: DOH – Health Facility Development Bureau, formerly NCHFD and Health Services and Facilities Regulatory Bureau, formerly BHFS))

APPENDIX B

NEW CLASSIFICATION OF HOSPITALS

Based on Article B, Section 1 of the D.O.H. Administrative Order No. 2012 - 0012, entitled " Rules and Regulations Governing the New Classification of Hospitals and Other Health Facilities in the Philippines" and pursuant to Sec. 16 of R.A. 4226, otherwise known as the "Hospital Licensure Act," hospitals shall be classified as follows:

a. ACCORDING TO OWNERSHIP

1. **Government Hospital** – created by law. A government health facility may be under the national government, DOH, Local Government Unit (LGU), Department of National Defense (DND), Philippine National Police (PNP), Department of Justice (DOJ), State Universities and Colleges (SUCs), Government Owned and Controlled Corporations (GOCC) and others.

2. **Private Hospital** – owned, established and operated with funds through donation, principal, investment or other means by any individual, corporation, association or organization. A private health facility may be a single proprietorship, partnership, corporation, cooperative, foundation, religious, non-government organization and others.

b. ACCORDING TO SCOPE OF SERVICES

1. **General** – a hospital that provides services for all kinds of illnesses, diseases, injuries or deformities. A general hospital shall provide medical and surgical care to the sick and injured, maternity, newborn and childcare. It shall be equipped with the service capabilities needed to support board certified/eligible medical specialists and other licensed physicians rendering services in, but not limited to, the following:

    a. **Clinical Services**
        1. Family Medicine;
        2. Pediatrics;
        3. Internal Medicine;
        4. Obstetrics and Gynecology;
        5. Surgery;
    b. **Emergency Services;**
    c. **Outpatient Services;**
    d. **Ancillary and Support Services such as, Clinical Laboratory, Imaging Facility and Pharmacy.**

2. **Specialty** - a hospital that specializes in a particular disease or condition or in one type of patient. A specialized hospital may be devoted to treatment of any of the following:

    a. Treatment of a particular type of illness or for a particular condition requiring a range of treatment.

    Examples of these hospitals are Philippine Orthopedic Center, National Center for Mental Health, San Lazaro Hospital, a hospital dedicated to the treatment of cancer.

b. Treatment of patients suffering from diseases of a particular organ or group of organs.

   Examples of these hospitals are Lung Center of the Philippines, Philippine Heart Center, National Kidney and Transplant Institute, a hospital dedicated to treatment of eye disorders.

c. Treatment of patients belonging to a particular group such as children, women, elderly and others.

   Examples of these hospitals are Philippine Children's Hospital, Dr. Jose Fabella Memorial Hospital.

c. ACCORDING TO FUNCTIONAL CAPACITY

1. General Hospital

a. Level 1

A Level 1 hospital shall have as minimum the services stipulated under Rule V. B. 1. B. 1. of this Order, including, but not limited to, the following:

1. A staff of qualified medical, allied medical and administrative personnel headed by a physician duly licensed by Professional Regulatory Commission (PRC);
2. Bed space for its authorized bed capacity in accordance with DOH Guidelines in the Planning and Design of Hospitals;
3. An Operating Room with standard equipment and provision for sterilization of equipment and supplies in accordance with:
   a. DOH Reference Plan in the Planning and Design of an Operating Room/Theater (Annex A);
   b. DOH Guidelines on Cleaning, Disinfection and Sterilization of Reusable Medical Devices in Hospital Facilities in the Philippines (Annex B);
4. A Post-Operative Recovery Room;
5. Maternity facilities, consisting of ward(s), room(s), a Delivery Room, exclusively for maternity patients and newborns;
6. Isolation facilities with proper procedures for the care and control of infectious and communicable diseases as well as for the prevention of cross infections;
7. A separate dental section/clinic;
8. Provision for blood station;
9. A DOH licensed Secondary Clinical Laboratory with the services of a consulting Pathologist;
10. A DOH licensed Level 1 Imaging Facility with the services of a consulting Radiologist;
11. A DOH licensed Pharmacy.

b. Level 2

A Level 2 hospital shall have as minimum, all of Level 1 capacity, including, but not limited to, the following:

1. An organized staff of qualified and competent personnel with Chief of Hospital/Medical Director and appropriate board certified Clinical Department Heads;

2. Departmentalized and equipped with the service capabilities needed to support board certified/eligible medical specialists and other licensed physicians rendering services in the specialties of Medicine, Pediatrics, Obstetrics and Gynecology, Surgery, their subspecialties and ancillary services;
3. Provision for general ICU (Intensive Care Unit) for critically ill patients;
4. Provision for NICU (Neonatal Intensive Care Unit);
5. Provision for HRPU (High-Risk Pregnancy Unit);
6. Provision for respiratory therapy services;
7. A DOH licensed Tertiary Clinical Laboratory;
8. A DOH licensed Level 2 Imaging Facility with Mobile X-ray inside the institution and with capability for contrast examinations.

c. Level 3

A Level 3 hospital shall have as minimum, all of Level @ capacity, including, but not limited, to the following:

1. Teaching and/or training hospital with accredited residency training program for physicians in the four (4) major specialties namely: Medicine, Pediatrics, Obstetrics and Gynecology, and Surgery;
2. Provision for Physical Medicine and Rehabilitation Unit;
3. Provision for Ambulatory Surgical Unit;
4. Provision for Dialysis facility;
5. Provision for Blood Bank;
6. A DOH licensed Tertiary Clinical Laboratory with standard equipment/reagents/supplies necessary for the performance of histopathology examinations;
7. A DOH licensed Level 3 Imaging facility with interventional Radiology.

2. Specialty Hospitals (refer to Rule V. B. 1. b. 2. Of this Order)

3. Trauma Capability of Hospitals

The trauma capability of hospitals shall be assessed in accordance with the guidelines formulated by the Philippine College of Surgeons (PCS).

a. Trauma-Capable Facility – a DOH licensed hospital designated as a Trauma Center.

b. Trauma-Receiving Facility – a DOH licensed hospital within the trauma service area which receives trauma patients for transport to the point of care or a trauma center.

(sources: DOH – Health Services and Facilities Regulatory Bureau)

APPENDIX C

PATIENT CARE AREAS

Patient care areas, classified as follows, shall be those areas designated by the governing body of the health care facility in accordance with the type of patient care anticipated:

(1) **General Care Areas** are patient bedrooms, examining rooms, treatment rooms, clinics and similar areas in which it is intended that the patient shall come in contact with ordinary appliances such as a nurse call system, electrical beds, examining lamps, telephone and entertainment devices. In such areas, it may also be intended that patients be connected to electromedical devices (such as heating pads, electrocardiographs, drainage pumps, monitors, otoscope, opthalmoscopes, peripheral intravenous lines).

(2) **Critical Care Areas** are those special care units, intensive care units, coronary care units, angiography, laboratories, cardiac catherization laboratories, delivery rooms, operating rooms and similar areas in which patients are intended to be subjected to invasive procedures and connected to line-operated, electromedical devices.

(3) **Wet Locations** are patient care areas that are normally subject to wet conditions while patients are present. These include standing fluids on the floor or drenching of the work area, either of which condition is intimate to the patient or staff. Routine housekeeping procedures and incidental spillage of liquids do not define a wet location.

(source: Philippine Electrical Code, Article 5.17.1.2)

APPENDIX D

CATEGORIES AND SOURCES OF HOSPITAL HEALTHCARE WASTE

"Healthcare Waste" (HCW) includes all the solid and liquid waste generated as a result of any of the following:

- Diagnosis, treatment or immunization of human beings;
- Research pertaining to the above activities;
- Research using laboratory animals for the improvement of human health;
- Production or testing of biological; and
- Other activities performed by HCF

Categories and Sources of Hospital/Healthcare Waste:

A. Infectious Waste

- Waste suspected to contain pathogens (or their toxins) in sufficient concentration to cause disease to a potential host, i.e. solid wastes from patients with infectious disease (e.g., dressings, swabs, blood bags, urine bag, sputum cups).
- Discarded materials or equipment used for diagnosis, treatment and prevention of disease of patients with infectious disease, i.e., liquid wastes from patients with infectious disease (e.g., feces, urine, blood or other body secretions).
- Highly infectious waste including microbial cultures and stocks of highly infectious agents from Medical Analysis Laboratories and biofluids from patients with highly infectious diseases. (These require disinfection at source), i.e., food wastes (liquid or solid) of patients with highly infectious disease.

B. Sharps

- Items that can cause cuts or puncture wounds, i.e. used or expired sharps (e.g., hypodermic, intravenous or other needles; auto-disable syringes; syringes with attached needles; infusion sets ; scalpels; pipettes; knives; blades; broken glass; wet ampoules except syringes and needles used for antineoplastic purposes.

C. Pathological and Anatomical Waste

- Tissue sections and body material derived from biopsies or surgical procedures that are then examined in the laboratory, i.e., placenta, internal organs, tissues used for diagnostic procedures such as biopsy, blood and fetus.
- Can refer also to anatomical waste such as recognizable human body parts as amputated limbs, etc.

D. Pharmaceutical Waste

- Expired, spilt and contaminated pharmaceutical products, drugs and vaccines, discarded items used in handling pharmaceuticals, i.e. empty vials, bottles and connective tubing, can refer also to drugs usually used in oncology (antineoplastic drugs) or radiotherapy units having a highly hazardous mutagenic or cytotoxic effect, i.e., medical supplies and containers of cytotoxic drugs or chemicals.

E. Chemical Waste

- Discarded chemicals (solid,liquid or gaseous) generated during disinfecting and sterilizing procedures, i.e., laboratory reagents, film developer, disinfectants and soaking solutions and solvents.
- Can be further classified into corrosive, reactive, toxic and flammable, i.e., concentrated ammonia solutions, concentrated hydrogen peroxide, chlorine and silver nitrate.
- Wastes with high content of heavy metals and their derivatives, i.e., cadmium, mercury from broken thermometers and sphygmomanometers.

F. Radioactive Wastes

- Wastes exposed to radionuclide residues from shipment of radioactive materials and unwanted solution of radionuclides intended for diagnostic or therapeutic use, i.e., cobalt (60 Co), Technetium (99 Tc), Iodine (131 I) and Iridium (192 Ir).
- Liquids, gas and solids contaminated with radionuclides whose ionizing radiations have genotoxic effects, i.e., contaminated waste, patient's excretion and all materials used by patients exposed with radionuclides within 48 hours.

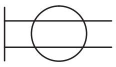
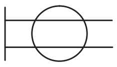
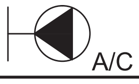
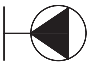
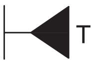
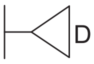
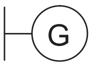
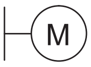
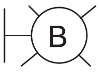
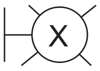
G. Non-hazardous or General Wastes

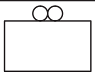
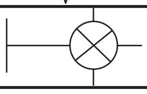
- Waste that has not been in contact with communicable or infectious agents, hazardous chemicals or radioactive substances and does not pose a hazard, i.e., papers, cardboards, empty bottles, tetra packs, scrap materials, pressurized containers, office wastes, food waste and other materials of patients with non-communicable disease, x-ray plates, etc.

(source: DOH Manual on Healthcare Waste Management Third Edition)

APPENDIX E

ELECTRICAL SYMBOLS

DESCRIPTION	SYMBOL	
A.1 OUTLET	FLOOR	WALL
A.1 DUPLEX RECEPTABLE		
A.2 SINGLE RECEPTACLE		
A.3 AIRCONDITION UNIT		
A.4 SPECIAL PURPOSE		
A.5 TELEPHONE		
A.6 DATA		
A.7 GROUND		
A.8 ISOLATION MONITOR ROOM INDICATOR		
A.9 BED LIGHT		
A.10 X-RAY WARNING LIGHT		

DESCRIPTION	SYMBOL
B. FAN COOLING UNIT	
C. AIR CONDITIONING UNIT	
D. PANEL BOARD	
E. EMERGENCY LIGHT	
F. NURSE CALL	
G. EXIT LIGHT	
H. SMOKE DETECTOR	
H. HEAT DETECTOR	

APPENDIX F

SPECIFICATIONS AND RECOMMENDED DESIGNS OF GOVERNMENT X-RAY FACILITIES

X-RAY FACILITIES FOR A LEVEL 2 HOSPITAL

A. Maximum Bed Capacity: 100 – 250 Beds

B. Location: Ideally located near or beside the Outpatient and Emergency Departments.

C. Minimum Number of Rooms and Minimum Space Requirements:

1. X-Ray Room, Dark Room and Control Booth :

   - Two (2) X-Ray Examination Rooms and Control Booth : at least 25 sq.mts. each room

   - One (1) Dark Room : at least 4 sq.mts. – may be converted to storage when X-Ray equipment is digital.

2. CT-SCAN : at least 30 sq.mts. (not including the toilet)

3. Mobile X-Ray Room : at least 6 sq.mts

4. Ultrasound Room : at least 15 sq.mts. (including the toilet)

5. One (1) Film Filing Room : at least 5 sq.mts.

6. One (1) Film Viewing/Interpretation Room : at least 10 sq.mts.

7. One (1) M/F Toilets : at least 7 square meters – with lavatory and water closet, and provided with robe/dress hooks.

8. Staff Lockers/Lounge : at least 10 sq.mts

9. Clerical Room : at least 15 sq.mts. : with Information Counter

10. Patient Waiting Area w/ wheelchair/stretcher area : at least 25 sq.mts.

D. Equipment and Accessories:

1. One (1) CT Scanner, at least 16 slices CT scanner

2. One (1) at least 500 mA R/F X-ray unit with image intensifier

3. One (1) at least 100 mA X-ray unit

4. One (1) 300 mA X-ray unit, mobile

5. Three (3) pcs. Caliper with 1.0cm. graduation – needed whether digital or not

6. One (1) automatic film processor, low volume, selected hospitals only (depends on film workload)

7. One (1) manual film processing tank, 10 gallons
8. Three (3) pcs. Caliper with 1.0 cm. graduation
9. Three (3) sets lead marker
10. One (1) exhaust fan
11. Two (2) darkroom safelight
12. One (1) pc. metallic stem dial type thermometer
13. One (1) pc. darkroom luminous interval timer
14. Three (3) pcs. Lead rubber aprons w/ at least lead equivalence of 0.25 mm`
15. Three (3) pairs lead rubber gloves or lead handshield at least 0.5mm Pb equivalence and/or computed radiography cassettes – 2 pcs. each size (to be purchased together w/ CR cassette reader/processor) .
16. Six (6) pcs. Cassettes with high speed intensifying screen for each film size
17. Six (6) pcs. Film hangers for each X-ray film size
18. One (1) stationary grid
19. Two (2) negatoscope, 8 films
20. One (1) general purpose ultrasound unit, selected hospitals only
21. Two (2) leaded passbox

E. Manpower

1. The head of the X-ray facility who is the person-in-charge of the activities shall be a qualified physician and a Diplomate in the Philippine Board of Radiology or a Fellow of the Philippine College of Radiology (for government and private Level 2 X-ray services).

2. One (1) Full time Radiologic Technologist registered with the Professional Regulation Commission (PRC) for each machine.

3. The Radiation Protection Officer shall be a medical Physicist or a Chief Radiologic or Technologist with at least five years working experience and attended a course on Radiation Protection conducted by an organization recognized by the Center for Device Regulation, Radiation Health and Research (CDRRHR).

F. Physical Plant Specifications and Recommended Design/Layout:

1. X-ray Room

1.1 All indicated walls of Figure-1 (walls A to I) must be made of any of the following materials to a height of at least two meters from the floor or ground outside the X-ray Room.

a. at least 150mm (6 inches) poured concrete OR at least 150mm (6 inches) on concrete hollow blocks with all cavities filled and packed with concrete and plastered with at least ½ inch cement plaster on each side of the blocks, OR;

b. at least 1.5mm (1/16 inch) thick lead sheet. Note that care must be taken to avoid punctures in the lead sheet which may occur during installation. It is recommended that the lead sheet be glued onto and sandwiched between wooden panels.

1.2 Both halves of the door leading to the X-ray Rooms 1 & 2 must be lined with 1.5mm (1/16 inch) thick lead sheet from edge to edge including door jambs (hamba) to a height of at least 2 meters from the floor. To prevent sagging of lead sheet, they must not be nailed nor punctured. It is recommended that the lead sheet be glued onto and sandwiched between wooden panels.

1.3 Windows must be provided for ventilation along walls A, C and D but the base of the windows must be located not lower than 2 meters from the ground/floor outside the X-ray Room.

1.4 A lead glass viewing window with lead equivalence of at least 1.5 mm must be provided for walls F and I. The lead glass viewing window must be wide enough to view the patient during the examination. The outer edge of the lead glass viewing window should be at least 450 mm (18 inches) from the outer edge of walls F and I. Walls F and I shall not exceed 2 meters in height to provide technician-patient communication.

1.5 A warning notice shall be put outside the X-ray examination room door. It shall be made up of a solid yellow equilateral triangle 180 mm long on each side. At the center of the triangle is a black tre-foil sign for radiation. Under the triangle are the words : **"X-RAY ROOM – DO NOT ENTER WHEN THE RED LIGHT IS ON".** The warning notice shall be on a 180 mm x 270 mm white background.

1.6 A red warning light bulb that is automatically illuminated when the X-ray machine is switched on shall be installed outside the X-ray examination room above the X-ray room door.

1.7 A rectangular canal for electrical cables of the X-ray machine shall be provided along the floor from the high tension transformer to the back of the control console booth. For information regarding the location and the dimensions of the rectangular canal, the engineer who will install the x-ray machine must be consulted. This canal must be provided with a cover made either of wood, aluminum or tin sheets to protect the cables. It shall be constructed in such a way that when the cover is placed, the cover and the floor area are at the same level.

1.8 A steel rod with curtains must be provided for the dressing booth.

1.9 Two (2) steel rods, 50 cm. long 45 cm. apart, for hanging lead rubber aprons and lead rubber gloves must project from walls C and D.

1.10 Sink with counter top must be provided inside the X-ray Room for contrast media preparation. Over or underneath the counter top, cabinets must also be provided.

1.11 The passboxes must be lined with lead at least 1.5 mm thick.

1.12 The toilets should also be provided with water closet and lavatory.

1.13 A double pole, double throw (DPDT), or equivalent single phase, 60 amperes, 250 volts safety switch box (for 100mA, 125 kV x-ray machine) AND/OR DPDT, three phase, 100 amperes, 250 volts safety switch box (for x-ray machine over 500mA) must be installed on the side wall of the control booth. The bottom of the switch box should be at eye level.

2. Dark Room for Manual Processing of Films

2.1 The darkroom must be entirely light proof. There must be no light leaks into the darkroom.

2.2 A light-tight air outlet with an exhaust fan should be installed inside the darkroom.

2.3 Processing tanks consisting of master tank two (2) insert tanks made of stainless steel or fiber glass shall be provided.

2.3 The darkroom must have a dry area with a working bench for loading and unloading cassette and a wet area for processing tanks. The darkroom must also have a regular sink, preferably of tiled concrete.

2.4 The darkroom floor should be waterproof and washable. The floor and the lower half walls of the wet area must be covered with bathroom tiles, pure chrome in color with a drain in the floor center.

2.5 The ceiling and walls of the darkroom except the lower half walls of the wet area, should be painted with chrome yellow with no white pigment added to the paint. The walls must be washable.

2.6 On the ceiling of the darkroom, two separate electrical convenience outlets must be provided. One is for the ceiling fan and the other one is for white light (incandescent) illumination.

2.9 White light illumination using incandescent bulb must be provided inside the darkroom for the purpose of carrying out work that does not require safelight. Illumination is needed for activities such as cleaning the room, mixing of solutions, etc.

2.10 A light-tight air-inlet and air-outlet with an exhaust fan should be installed inside the darkroom. The air-outlet must be installed above the processing tank near the ceiling while the air inlet must be installed near the floor (See Figure G-5a to G-5b). We recommend that the exhaust fan be attached to a ducting system.

2.11 Standard safelight bulbs must be provided inside the darkroom. It should be installed

at least 4 ft. above the working bench.

2.12 The safelight housing shall be provided with a safelight filter made of glass or hard plastic, tinted with amber or red and which does not fog a pre-exposed film within 45 seconds.

2.13 A standard safelight with 10-15 watt light bulb shall be provided for the wet area at the dry (loading) area of the darkroom.

2.14 On the wall of the wet area, an electrical convenience outlet must be provided at top level, one of which is for the darkroom safelight.

2.15 On the wall of the wet area, an electrical convenience outlet must be provided for the exhaust fan.

2.16 On the wall above the regular tank at a height of not lower than 100 cm. from the top of the tank, two steel rods 45 cm. long and 37 cm. apart must project.

2.17 A wooden frame for different sizes of film hangers must be provided on the wall between the wet and the dry area.

2.18 The darkroom must have an adequate supply of fresh clean water.

2.19 A pair of plastic paddle must be provided inside the darkroom for mixing processing chemicals. One will be used for mixing fixer solution while the other will be used for mixing developer solution.

2.20 Fiber glass tank or container with cover to be used for storing fixer solution, must be provided inside the darkroom.

2.21 Gas mask must be provided inside the darkroom for protection against chemical fumes when mixing processing chemicals.

2.22 A luminous interval timer/digital timer shall be provided.

2.23 A darkroom thermometer or digital thermometer or alcohol thermometer shall be provided.

2.24 Unprocessed films shall be properly shielded in a cool dry place protected from X-rays. Films shall be stored vertically on its end. This prevents marks on film because of pressure due to its weight.

2.25 Intensifying screens shall be kept clean or replaced when necessary.

3. Dark Room for Digital Processing of Films

3.1 A set of contact gonadal shields with a minimum lead equivalence 1.5 mm lead shall be provided.

3.2 An upright gonadal shield for chest examination with a minimum lead equivalence of 1.5mm lead shall be provided.

3.3 A lead rubber apron with at least lead equivalence of 0.25 mm shall be provided.

3.4 A pair of lead rubber gloves/lead hand protector with lead equivalence of at least 0.50 mm shall be provided.

3.5 A caliper to measure the thickness of the patient shall be provided.

3.6 A fixed/movable protective barrier to a height of at least 2 mts. From the floor shall be

provided. For a fixed protective barrier, it shall be made of 15.4 cm. (6 inches) poured concrete or 1.50 mm thick lead sheets. For a movable protective barrier, it shall be made of 1.50 mm thick lead sheets.

3.6.1 The fixed/movable protective barrier shall be covered with a lead glass/acrylic viewing window with lead equivalence of at least 1.5 mm.

1.6.2 If the fixed/movable protective barrier has no opening for a lead glass/acrylic the patient during the X-ray examination shall be provided.

4. Interpretation/Conference Room

4.1 A built-in x-ray film viewing box (negatoscope) must be provided.

4.2 An electrical outlet must be provided on the wall of the viewing box to provide power to the fluorescent lamps of the viewing box.

5. Film Files Room

5.1 A built-in cabinet with upper shelves for active filing of patient radiographs and lower shelves for storing X-ray request and result forms, patient logbooks, patient indexes, and other supplies must be provided.

6. Patient Waiting Area

6.1 Comfortable seats must be provided at the Waiting Area for waiting patients.

7. Ultrasound Room

7.1 The Ultrasound Room must be provided with a toilet inside the room if not adjacent to an existing toilet.

8. Others

8.1 For long term storage of unused x-ray films, a room free of radiation and chemical contamination and airconditioned 24 hrs. a day is required.

9. Administrative Requirements

9.1 All radiation workers shall be provided with Thermoluminescence Dosimeter (TLD) or Optically Stimulated Luminescence (OSL).

9.2 The head of the facility shall establish quality control program for the X-ray facility in accordance with the Center for Device Regulation, Radiation Health and Research (CDRRHR) protocol on quality control. He shall ensure that no unlicensed person operates the X-ray equipment.

9.3 The Radiation Protection Officer shall be responsible for the establishment and conduct of radiation safety program in the facility. He/She shall keep record of occupational radiation doses received by the radiation workers in the facility. He/She shall ensure that no worker shall exceed the dose limit of 20 mSv per year averaged over a period of 5 years.

(source: DOH - Center for Device Regulation, Radiation Health & Research)

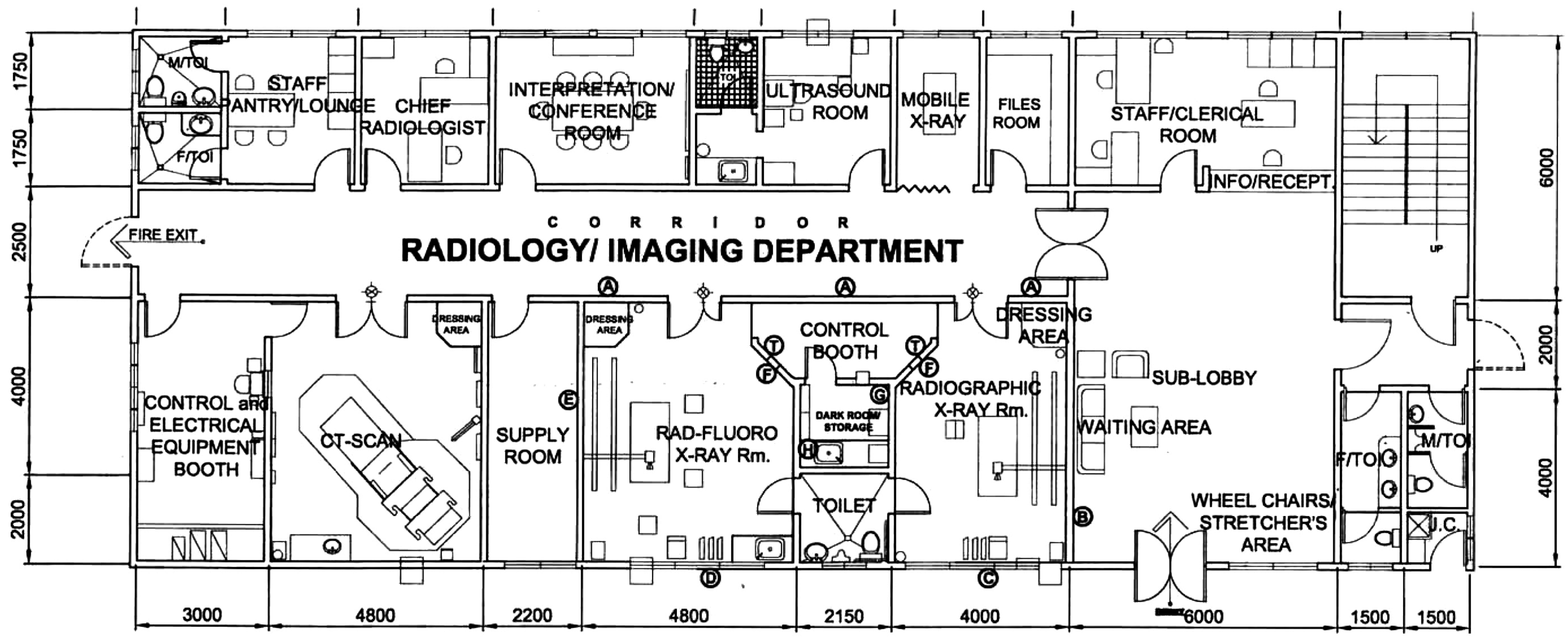


Figure 1 - RECOMMENDED DESIGN OF AN X- RAY FACILITY FOR A LEVEL 2 HOSPITAL

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